

ALP (A Latin Parser) Test sentences

Swi-Prolog 9.315

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***** Comments welcome : amichiels@uliege.be *****

I would be interested to hear of other PARSERS of classical Latin (I am ashamed to have to admit that I know of none). Parsers, mind, not taggers. Parsers working on ascii sentences, not on trees from tree banks. Parsers that go deep enough to reveal syntactic structure at clause level and phrase level, producing parses which can be used in the task of word sense assignment. Parsers that yield parses that are not bound to the word order of the sentence being parsed. True parses, in a word ... or two.

Nobody is likely to be interested in parses produced by a system whose inner workings are fully impenetrable, in so far as nobody is interested in such parses per se (nor in translations, for that matter – they are all available).

On the contrary, a parser able to produce parses on the basis of a rule-governed engine is highly interesting in so far as it can give insights into the grammatical system underlying the Latin texts we have preserved.

An Introduction to ALP :

<https://works.hcommons.org/records/98j14-qvg42>

or

https://www.lasla.uliege.be/upload/docs/application/pdf/2022-05/an_introduction_to_alp.pdf

Creed

(each article deserving a lengthy treatment)

*** an interesting parser is likely to be brittle (by 'interesting' I mean 'likely to reveal sth about the language it is a parser of') and rule-based (explicit and explainable rules)

*** a parser of a semi-free word order language such as classical Latin needs to be able to call on the following resources :

- a unification algorithm (indispensable in so far as it can be used both for checking and building structures of any depth and complexity)
- an automatic backtracking procedure (to clear unfruitful paths and the assignments performed along the way) ; works in tandem with unification
- a blackboard (area of memory where the parser can write and erase at will)

*** a parser needs a weighting procedure to rank candidate parses ; parses may be licit with respect to the grammar and lexis provided but be very unlikely in terms of acceptable reading proposals (so-called spurious ambiguities)

*** a parser needs to call on semantic and knowledge-of-the-world features associated with the lexical entries it makes use of

ASCII TEST FILE AS SUBMITTED TO ALP :

% 1 Terentianus Maurus De Syll 1286.

Habent sua fata libelli.

% 2 Cicero Ad Fam VIII 16 4.

Me secum in Hispaniam ducit.

% 3 Tacitus Agricola 2 1 1.

Dedimus profecto grande patientiae documentum.

% 4 Cicero Pro Murena VI 13.

Saltatorem appellat Murenam Cato.

% 5 adapted from Cicero Pro Murena VI 13.

Non debes temere consulem populi Romani saltatorem vocare.

% 6 Terentius Heauton Timorumenos I 77.

Humani nil a me alienum puto.

% 7 Tacitus Hist Lib I LXXVI 9.

Carthaginem ceterae civitates secutae.

% 8 Tacitus Hist Lib I 19 2.

Censuerant patres mittendos ad Germanicum exercitum legatos.

% 9 Ovidius Ars Amatoria 1 42.

Elige cui dicas : tu mihi sola places.

% 10 Horatius Carmina 1 5 1 - notice that the whole thing does not sport a single toolword.

Me tabula sacer votiva paries indicat uvida suspendisse potenti vestimenta maris deo.

% 11 Martial, 2 78.

Aestivo serves ubi piscem tempore quaeris?

% 12 Caesar De Bello Gallico I 9 3 4.

Cupiditate regni adductus nouis rebus studebat.

% 13 Tacitus Hist Lib I XXX 3.

Falluntur quibus luxuria specie liberalitatis imponit.

% 14 'dubitare quin' in Non-affirmative Contexts (from Cicero, Paradoxa, 6 48 1).

Quis igitur dubitet quin in virtute divitiae sint?

% 15 Cicero Att 4 12 1 5 fragmented main clause.

Id tu quoniam Macronem tanti facis ignoscas mihi uelim.

% 16 adapted from Tacitus Hist I 12 2.

Maturavit ea res consilium Galbae iampridem de adoptione cum proximis agitantis.

% 17 adapted from Tacitus Hist Lib I 74 3.

Otho revocatis quos Galba miserat legatis ad utrumque Germanicum exercitum copias misit.

% 17 bis.

Revocatis quos Galba miserat legatos.

% 18 adapted from Cicero Epistulae ad Familiares 9 14 1 1.

Non dubito quin tu meis praeceptis et consiliis obtemperans praestantissimum te civem et singularem consulem praebeas.

% 19 adapted from Cicero Pro Murena XXIII.

Nostrae artes admirabilem utilitatem possident quae nobis studia populi Romani conciliat.

% 20 adapted from Titus Livius Ab Urbe Condita Liber XXI 8.

Quies inter labores renovavit corpora animosque ad omnia de integro patienda.

% 21 Ovidius Ars Amatoria 1 307.

Crede tamen speculo quod te negat esse iuencam.

% 22 adapted from Cicero Phil I 1 1.

Graecum etiam verbum usurpavi quo in sedandis discordiis utitur civitas illa.

% 23 Tacitus Hist Lib I 39 2.

Agitasse Laco ignaro Galba de occidendo Vinio dicitur.

% 24 Tacitus Agricola 2 4 1.

Memoriam quoque ipsam cum voce perdidissemus si tam in nostra potestate esset oblivisci quam tacere.

% 25 Cicero De Amicitia 10 1.

Suis autem incommodis graviter angere non amicum sed se ipsum amantis est.

% 26 Cicero Pro Murena XV.

Omnibus regibus quibuscum populus Romanus bellum gessit hunc regem nimirum antepones.

% 27 Cicero Pro Murena XVII 35.

Totam opinionem parva nonnumquam commutat aura rumoris.

% 28 Catullus XIII 13-14.

Quod tu cum olfacies, deos rogabis totum ut te faciant nasum.

% 29 Cicero Pro Murena XXXIV 85.

Versabitur in rostris furor, in curia timor, in foro coniuratio, in Campo exercitus, in agris vastitas.

% 30 Cicero Pro Murena III 7.

Huic ego satis facere cupio uosque adhibere arbitros.

% 31 Cicero Pro Murena XVII 36.

Nihil est incertius uolgo, nihil obscurius uoluntate hominum.

% 32 Cicero Pro Murena XVIII 37.

Munus amplissimum quod petitio praeturae desiderarat praetura restituit.

% 33 adapted from Cicero Pro Murena XXXVIII 16.

Cogita nonnullorum amicorum studia minui in eos a quibus provincias contemni intellegunt.

% 34 Cic Ad Fam 1 1 2 10.

Is ceteris in rebus se acerrimum tui defensorem fore ostendit.

% 35 Tacitus Ann 12 8 1.

Die nuptiarum Silanus mortem sibi conscivit delecto die augendam ad invidiam.

% 36 adapted from Cicero Cat I 10.

Exclusi eos quos tu salutatum miseris.

% 37 adapted from Cicero Cat I 10.

Illi venerunt quos ad me venturos esse praedixeram.

% 38 adapted from Tacitus Hist Lib I 16 3.

Mihi ac tibi providendum est ne etiam a bonis Nero desideretur.

% 39 adapted from Tacitus Hist Lib I 44 1.

Nullam caedem Otho maiore laetitia excepisse dicitur.

% 40 adapted from Tacitus Hist Lib I 79 1.

Conversis ad civile bellum animis externa sine cura habebantur.

% 41 Tacitus Ann 16 34 1 a.

Arriam tentantem exemplum matris sequi monet retinere vitam.

% 41 Tacitus Ann 16 34 1 b.

Arriam monet filiae communi subsidium unicum non adimere.

% 42 Tacitus Hist Lib I 85 9.

Vitellianos milites venisse in urbem ad studia partium noscenda plerique credebant.

% 43 Tacitus Hist Lib I 46 1.

Omnia deinde arbitrio militum acta.

% 44 Tacitus Hist Lib I 46 1.

Praetorii praefectos sibi ipsi legere.

% 45 Martialis Epigrammata 3 9 2.

Non scribit cuius carmina nemo legit.

% 46 Ovidius Ars Amatoria 2 658.

Nominibus mollire licet mala.

% 47 Tacitus Ann 14 53 4.

Una defensio occurrit quod muneribus tuis obniti non debui.

% 48 Tacitus Ann 14 10 1.

A Caesare perfecto demum scelere magnitudo eius intellecta est.

% 49 Horatius Ep 1 xiii 16.

Ne volgo narres te sudavisse ferendo carmina.

% 50 Cicero Ad fam xiv 4 5.

Non vitium nostrum sed virtus nostra nos afflixit.

% 51 Horatius Sat I 9 59-60.

Nil sine magno vita labore dedit mortalibus.

% 52 Horatius Sat II 6 79-81.

Olim rusticus urbanum murem mus paupere fertur accepisse cavo.

% 53 Tacitus Ann 11 22 2.

Dolabella censuit spectaculum gladiatorum celebrandum pecunia eorum qui quaesturam adipiscerentur.

% 54 adapted from Horatius Ep 2 ii 65-66.

Romaene me poemata censes scribere posse inter tot curas?

% 55 Hieronymus Ep LX 19.

Cotidie morimur et aeternos nos esse credimus.

% 56 Hieronymus Ep LX 19.

Cum quo loqui non possumus de eo loqui numquam desinamus.

% 57 Iuuenalis Sat 8 244.

Roma patrem patriae Ciceronem libera dixit.

% 58 Vergilius Georgica 1 463.

Solem quis dicere falsum audeat?

% 59 Ovidius Amores I 6 34.

Solus eram si non saevus adesset Amor.

% 60 Horatius Carm II 3 1-2.

Aequam memento rebus in arduis servare mentem.

% 61 Ovidius Ars Am 1 132.

Haec mihi si dederis commoda miles ero.

% 62 Peruigilium Veneris 1.

Cras amet qui numquam amavit.

% 63 Sallustius Bellum Iugurthinum V 1.

Superbiae nobilitatis obviam itum est.

% 64 Sallustius Bellum Iugurthinum XX 5.

Legatos ad Iugurtham de iniuriis questum misit.

% 65 Sallustius Bellum Iugurthinum XIV 8.

Ego eis finibus eiectus sum quos maioribus meis populus Romanus dedit.

% 66 adapted from Sallustius Bellum Iugurthinum V 1.

Bellum scripsi quod populus Romanus cum rege Numidarum gessit.

% 67 Sallustius Bellum Iugurthinum LXXXV 31.

Ipsa se uirtus satis ostendit.

% 68 Sallustius Bellum Iugurthinum LXXXV 31.

Illis artificio opus est ut turpia facta oratione tegant.

% 69 Sallustius Bellum Iugurthinum LXXXV 14.

Contemnunt novitatem meam, ego illorum ignaviam.

% 70 Sallustius Bellum Iugurthinum LXXXV 14.

Mihi fortuna, illis probra obiectantur.

% 71 Cicero Pro Murena 84 1.

Mihi credite, iudices.

% 72 Vergilius Eclogae 1 46.

Fortunate senex, ergo tua rura manebunt.

% 73 Vergilius Eclogae 1 6.

O Meliboe, deus nobis haec otia fecit.

% 74 Vergilius Eclogae 1 13.

Hanc etiam vix, Tityre, duco.

% 75 Vergilius Eclogae 4 60.

Incipe, parve puer, risu cognoscere matrem.

% 76 Vergilius Eclogae 9 43.

Insani feriant sine litora fluctus.

% 77 Cicero De Legibus II 1 3.

Ille sapientissimus vir Ithacam ut videret immortalitatem scribitur repudiasse.

% 78 Seneca Dialogi 6 26 3 4.

Cur in domo nostra diutissime lugetur qui felicissime moritur?

% 79 adapted from Cicero De Legibus II 4 6.

Vestigia adsunt eorum quos diligimus.

% 80 Horatius Ep II 2 102.

Multa fero ut placem genus irritabile vatum.

% 81 Tacitus Ann XIII 5.

Ita specie pietatis obviam itum dedecori.

% 82 Tacitus Ann XIII 15.

Nero intellecta invidia odium intendit pararique venenum iubet.

% 83 Tacitus Ann XV 52 1.

Coniuratis tamen metu permotis placitum maturare caedem.

% 84 Sallustius Catilinae Coniuratio 1 1 2.

Omnes homines niti decet ne uitam silentio transeant.

% 85 Tacitus Hist Lib I 62 1.

Mira inter exercitum imperatoremque diversitas.

% 86 Tacitus Hist Lib I 10 1.

Oriens adhuc immotus.

% 87 Tacitus Hist Lib I 9 7.

In Britannico exercitu nihil irarum.

% 88 Tacitus Hist Lib I 7 13.

Venalia cuncta.

% 89 Tacitus Hist Lib I 7 15.

Eadem novae aulae mala.

% 90 Tacitus Hist Lib I 2 13.

Plenum exiliis mare.

% 91 PS 27 1.

Dominus illuminatio mea.

% 92 Vergilius Georgica 2 458.

Fortunatos nimium sua si bona norint agricolas.

% 93 Catullus Carmina 61 184.

Iam licet venias, marite.

% 94 Catullus Carmina 61 94-95.

Vide ut faces aureas quatiunt comas.

% 95 Catullus Carmina 72 1.

Dicebas quondam solum te nosse Catullum.

% 96 Catullus Carmina 46 6.

Ad claras Asiae volemus urbes.

% 97 adapted from Cicero In Cat 1 17 2.

Servi mei si me metuerent ut te metuunt cives tui domum meam relinquendam putarem.

% 98 Cicero Att VII 3 4.

De sua potentia dimicant homines hoc tempore periculo civitatis.

% 99 Ovidius Tristia 1 9 5.

Donec eris sospes multos numerabis amicos.

% 100 Ovidius Tristia 1 9 6.

Tempora si fuerint nubila solus eris.

% 101 Seneca Epistulae Morales ad Lucilium 7 1 4.

Mane leonibus et ursis homines, meridie spectatoribus suis obiiciuntur.

% 102 Cicero Pro Rege Deiotaro 30 14-15.

Nulli parietes nostram salutem, nullae leges, nulla iura custodient.

% 103 Tacitus Ann 16 34 1.

Tum ad Thraseam in hortis agentem quaestor consulis missus vespascente iam die.

% 104 Tacitus Hist I 75 1.

Insidiatores ab Othone in Germaniam, a Vitellio in urbem missi.

% 105 Tacitus Hist I 11 1.

Aegyptum copiasque quibus coerceretur equites Romani obtinent loco regum.

% 106 Martialis Epigr Lib I 3 1-2.

Argiletanas mauis habitare tabernas cum tibi, parue liber, scrinia nostra vacent.

% 107 Martialis Epigr Lib I 117 8.

Quod quaeris propius petas licebit.

% 108 Propertius El III 25 17.

Has tibi fatalis cecinit mea pagina diras.

% 109 Propertius El III 25 18.

Euentum formae disce timere tuae.

% 110 adapted from Propertius El III 20 1-2.

Credis iam tuae meminisse figurae quem uidisti a lecto dare uela tuo.

% 111 Tacitus Hist IV 1 1.

Interfecto Vitellio bellum magis desierat quam pax coeperat.

% 112 Tacitus Ann 13 21 20.

Vivere ego Britannico potiente rerum poteram?

% 113 Tacitus Hist I 75 1.

Ita promissis simul ac minis tentabantur.

% 114 Tacitus Hist IV 16 1.

Civilis dolo grassandum ratus incusavit ultro praefectos quod castella deseruissent.

% 115 Tacitus Hist V 2 1.

Quoniam famosae urbis supremum diem tradituri sumus congruens videtur primordia eius aperire.

% 116 Tacitus Hist II 2 1.

Fuerunt qui accensum desiderio reginae vertisse iter crederent.

% 117 Tacitus Hist IV 58 2.

Bellum cum populo Romano vestris se manibus gesturum Classicus sperat.

% 118 Tacitus Dialogus 27 3 2.

Cum de antiquis loquaris utere antiqua libertate a qua vel magis degenerauimus quam ab eloquentia.

% 119 Lucius Annaeus Seneca senior Controversiae 8 1 10.

I ad illum quem magis amas quam patrem.

% 120 (20-27 build up Tacitus Hist IV 64 3-4).

ut amicitia societasque nostra in aeternum rata sint /

% 121.

postulamus a uobis muros coloniae munimenta servitii detrahatis.

% 122.

etiam fera animalia si clausa teneas virtutis obliviscuntur.

% 123.

Romanos omnis in finibus uestris trucidetis.

% 124.

haud facile libertas et domini miscentur.

% 125.

bona interfectorum in medium cedant.

% 126.

ne quis occulere quicquam aut segregare causam suam possit /

% 127.

liceat nobis vobisque utramque ripam colere.

stop.

Document structure:

Sequential Word list

cputime

Weight →

Raw Parse [...]

Pretty-printed parse

Comment

ALP Settings: [number_of_pares,1] [depth,1] [type_of_structures,1] [current,DEFAULT]

Procedure

ALP begins by turning each test sentence into a sequential and numbered word list, which is then submitted to the parser. On account of the setting value [number_of_pares,1], only the best parse is presented to the user. In case of a tie, a second parse, thus with equal weight, is also printed.

The parses are given first in raw format (Prolog list structure), then pretty-printed with a home-made pretty printer (itself part of the main Prolog program).

It is important to keep in mind that the weights assigned have absolutely no significance in themselves. Their sole function is that of ranking the parses produced for a given sentence. Comparing the weights of parses for different sentences is therefore totally meaningless.

% 1 Terentianus Maurus De Syll 1286.

Habent sua fata libelli.

[0/habent,1/sua,2/fata,3/libelli,endpos(4)]

cputime : 1.2187500000000009

4--->

[illocutionary_force:statement,vg:[selected_reading:habeo_have,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_46532,w:0,pos:v,class:tr_cod,type:finite,lex:habere,voice:act,txt:habent,tense:present,kind:std,mood:indicativ
e,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:libellus,txt:libelli,case:nom,w:1,c_str:libelli],objec
t:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:neuter,type:core,lex:fatum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:fata,lex:fatum,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:[p(1,2)],case:acc,number:pl,gender:neuter,lex:suus,type:poss,w:1,c_str:suus]]]]]

illocutionary_force:statement

vg

selected_reading:habeo_have

polarity:pos

cat:vg

* habent *

pos:v

lex:habere

voice:act

tense:present

mood:indicative

number:pl

person:3

subject

number:pl

gender:masc

* libelli *

index:i(p(3,4))

cat:np

sem:[abstract,thing]

person:3

lex:libellus

case:nom

c_str

libelli

object

* sua * * fata *

index:i(p(2,3))

cat:np

sem:[abstract]

number:pl

person:3

gender:neuter

lex:fatum

case:acc

c_str

head

* fata *

pos:noun

lex:fatum

case:acc

gender:neuter

number:pl

sem:[abstract]

adjp

cat:adjp
* sua *
case:acc
number:pl
gender:neuter
lex:suus
c_str
suus

Comment : OK

Me secum in Hispaniam ducit.

[0/me,1/cum_p,2/se,3/in,4/hispaniam,5/ducit,endpos(6)]
cputime : 0.15625

3.96--->

[illocutionary_force:statement,vg:[selected_reading:duco_lead,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_53078,w:0,pos:v,class:tr_cod,type:finite,lex:ducere,voice:act,txt:ducit,tense:present,kind:std,mood:indicative,
number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_53270,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp1sg],prep_cplt:
[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],distance:[0],index:i(p(4,5)),case:acc,prep:in,sem:
[country,thing],lex:hispania,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,sem:
[country,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:hispania,txt:hispaniam,
case:acc,w:1,c_str:hispaniam]]],prep_phrase_adjunct_1:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:
[0],index:_54230,case:abl,prep:cum,sem:[hum],lex:pp3refl,w:1,type:core,cat:pp,c_str:[prep:cum,head:[pathlist:[p(2,3)],hp:
[p(2,3)],index:_54230,distance:[0],cat:np,sem:
[hum],class:proper,lex:pp3refl,emphasis:no,number:or([sing,pl]),person:3,gender:or([masc,fem]),type:core,case:abl,w:1,c_str:p
p3refl]]]]]

illocutionary_force:statement
vg
 selected_reading:duco_lead
 polarity:pos
 cat:vg
 * ducit *
 pos:v
 lex:ducere
 voice:act
 tense:present
 mood:indicative
 number:sing
 person:3
subject
 source:context_retrievable
 number:sing
 person:3
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
object
 * me *
 index:i(p(0,1))
 cat:np
 sem:[hum]
 lex:pp1sg
 number:sing
 person:1
 gender:or([masc,fem])
 case:acc
 c_str
 pp1sg
prep_cplt
 * in * * hispaniam *
 index:i(p(4,5))
 case:acc
 prep:in
 sem:[country,thing]

```

lex:hispania
cat:pp
c_str
  prep:in
  head
    * hispaniam *
    index:i(p(4,5))
    cat:np
    sem:[country,thing]
    number:sing
    person:3
    gender:fem
    lex:hispania
    case:acc
    c_str
      hispaniam
prep_phrase_adjunct_1
  * cum_p * * se *
  case:abl
  prep:cum
  sem:[hum]
  lex:pp3refl
  cat:pp
  c_str
    prep:cum
    head
      * se *
      cat:np
      sem:[hum]
      lex:pp3refl
      emphasis:no
      number:or([sing,pl])
      person:3
      gender:or([masc,fem])
      case:abl
      c_str
        pp3refl

```

Comment : OK

% 3 Tacitus Agricola 2 1 1.

Dedimus profecto grande patientiae documentum.

[0/dedimus,1/grande,2/patientiae,3/documentum,endpos(4)]
cputime : 0.140625

2.5--->

[illocutionary_force:statement,vg:[selected_reading:do_give,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_52384,w:0,pos:v,class:tr_cod_coi,type:finite,lex:dare,voice:act,txt:dedimus,tense:perfect,kind:std,mood:indica
tive,number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(3,4)],index:i([p(3,4)]),distance:[1],sem:
[thing,abstract],number:sing,person:3,cat:np,lex:documentum,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1.
5,c_str:[head:[pathlist:[p(1,2),p(3,4)],hp:[p(3,4)],index:i(p(3,4))],distance:[1],cat:np,class:common,sem:
[thing,abstract],number:sing,person:3,gender:neuter,type:core,lex:documentum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(3,4)],pos:noun,txt:documentum,lex:documentum,case:acc,gender:neuter,class:common,ab:no,number:sing,sem:
[thing,abstract]],adjp:[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:sing,gender:neuter,lex:grandis,type:std,w:1,c_str:grandis]]],noun_cplt:[pathlist:[p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:patientia,txt:patientiae,case:ge
n,w:1,c_str:patientiae]]]]

illocutionary_force:statement

vg

selected_reading:do_give

polarity:pos

cat:vg

* dedimus *

pos:v

lex:dare

voice:act

tense:perfect

mood:indicative

number:pl

person:1

subject

source:context_retrievable

number:pl

gender:or([masc,fem])

person:1

cat:np

index:i(0,0)

case:nom

object

* grande * * patientiae * * documentum *

index:i([p(3,4)])

sem:[thing,abstract]

number:sing

person:3

cat:np

lex:documentum

gender:neuter

case:acc

c_str

head

* grande * * documentum *

index:i(p(3,4))

cat:np

sem:[thing,abstract]

number:sing

person:3

gender:neuter

lex:documentum
case:acc
c_str
 head
 * documentum *
 pos:noun
 lex:documentum
 case:acc
 gender:neuter
 number:sing
 sem:[thing,abstract]
 adjp
 cat:adjp
 * grande *
 case:acc
 number:sing
 gender:neuter
 lex:grandis
 c_str
 grandis
noun_cplt
 * patientiae *
 index:i(p(2,3))
 cat:np
 sem:[quality]
 number:sing
 person:3
 gender:fem
 lex:patientia
 case:gen
 c_str
 patientiae

Comment: OK

% 4 Cicero Pro Murena VI 13.

Saltatorem appellat Murenam Cato.

[0/saltatorem,1/appellat,2/murenam,3/cato,endpos(4)]
cputime : 0.046875

4--->

[illocutionary_force:statement,vg:[selected_reading:appello_call,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_55444,w:0,pos:v,class:tr_cod,type:finite,lex:appellare,voice:act,txt:appellat,tense:present,kind:std,mood:indica
tive,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,sem:[male],class:proper,lex:cato,lextype:full,person:3,type:core,case:nom,w:1,c_str:cato],object:[pathlist:[p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[male],class:proper,lex:murena,lextype:full,number:sing,person:3,gender:masc,type:core,case:acc,w:1,c_str:murena],object_cpl
t:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:saltator,txt:saltatorem,case:acc,
w:1,c_str:saltatorem]]

illocutionary_force:statement

vg

selected_reading:appello_call

polarity:pos

cat:vg

* appellat *

pos:v

lex:appellare

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* cato *

index:i(p(3,4))

cat:np

sem:[male]

lex:cato

person:3

case:nom

c_str

cato

object

* murenam *

index:i(p(2,3))

cat:np

sem:[male]

lex:murena

number:sing

person:3

gender:masc

case:acc

c_str

murena

object_cpl

* saltatorem *

index:i(p(0,1))

cat:np

sem:[hum]

number:sing

person:3

gender:masc

lex:saltator
case:acc
c_str
saltatorem

Comment : correct assignment of Object (Murenam) and Object Cplt (saltatorem)

% 5 adapted from Cicero Pro Murena VI 13.

Non debes temere consulem populi Romani saltatorem vocare.

[0/non,1/debes,2/temere,3/consulem,4/populi,5/romani,6/saltatorem,7/uocare,endpos(8)]
cputime : 47.76562500000001

9.49--->

[illocutionary_force:statement,vg:[selected_reading:uoco_call,polarity:neg,w:3,pathlist:
[p(0,1),p(1,2),p(7,8)],cat:vg,aux:debere,value:deontic,type:finite,hp:
[p(7,8)],lex:uocare,person:2,mood:indicative,tense:present,voice:act,number:sing,gender:_97468],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4),p(4,5),p(5,6)],hp:[p(3,4)],index:i([p(3,4)]),distance:[0],sem:
[hum],number:sing,person:3,cat:np,lex:consul,lextype:full,gender:masc,type:full,case:acc,class:common,w:1.5,c_str:[head:
[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:consul,txt:consulem,case:acc,w:
1,c_str:consulem],noun_cplt:[pathlist:[p(4,5),p(5,6)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,class:common,sem:
[hum],number:sing,person:3,gender:masc,type:core,lex:populus,lextype:full,case:gen,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:populi,lex:populus,case:gen,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:gen,number:sing,gender:masc,lex:romanus,type:std,w:1,c_str:romanus]]]],object_cplt:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:saltator,txt:saltatorem,case:acc,
w:1,c_str:saltatorem],adverbial_adjunct:[cat:advp,pathlist:[p(2,3)],distance:
[0],type:vpbound,lex:temere,sem:manner_means,w:1,c_str:[head:temere]]]

illocutionary_force:statement
vg
 selected_reading:uoco_call
 polarity:neg
 * non ** debes ** uocare *
 cat:vg
 aux:debere
 value:deontic
 lex:uocare
 person:2
 mood:indicative
 tense:present
 voice:act
 number:sing
subject
 source:context_retrievable
 number:sing
 gender:or([masc,fem])
 person:2
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
object
 * consulem ** populi ** romani *
 index:i([p(3,4)])
 sem:[hum]
 number:sing
 person:3
 cat:np
 lex:consul
 gender:masc
 case:acc
 c_str
 head
 * consulem *
 index:i(p(3,4))

```

cat:np
sem:[hum]
number:sing
person:3
gender:masc
lex:consul
case:acc
c_str
consulem
noun_cplt
* populi * * romani *
index:i(p(4,5))
cat:np
sem:[hum]
number:sing
person:3
gender:masc
lex:populus
case:gen
c_str
head
* populi *
pos:noun
lex:populus
case:gen
gender:masc
number:sing
sem:[hum]
adjp
cat:adjp
* romani *
case:gen
number:sing
gender:masc
lex:romanus
c_str
romanus
object_cplt
* saltatorem *
index:i(p(6,7))
cat:np
sem:[hum]
number:sing
person:3
gender:masc
lex:saltator
case:acc
c_str
saltatorem
adverbial_adjunct
cat:advp
* temere *
lex:temere
sem:manner_means
c_str
head
temere

```

Comment : correct assignment of Object (consulem populi Romani) and Object Cplt (saltatorem)

% 6 Terentius Heauton Timorumenos I 77.

Humani nil a me alienum puto.

[0/humani,1/nil,2/a,3/me,4/alienum,5/puto,endpos(6)]
cputime : 0.28125

9.97--->

```
illocutionary_force:statement,vg:[selected_reading:puto_deem,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_62042,w:0,pos:v,class:tr_inf,type:finite,lex:putare,voice:act,txt:puto,tense:present,kind:std,mood:indicative,nu
mber:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(1,2),p(0,1)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[thing,abstract],lex:nihil,class:prindef,type:core,number:sing,person:3,gender:neuter,case:acc,w:2,c_str:
[[pos:prindef,txt:nihil,lex:nihil,gender:neuter,case:acc,number:sing,person:3,sem:[thing,abstract],function:[subject,object]],
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:gen,number:sing,gender:neuter,lex:humanus,type:std,w:1,c_str:humanus]]],object_cpl:[pathlist:
[p(2,3),p(3,4),p(4,5)],hp:[p(4,5)],distance:[0],cat:adjp,w:5,type:std,number:sing,gender:neuter,lex:alienus,case:acc,c_str:[head:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:acc,number:sing,gender:neuter,lex:alienus,type:std,w:1,c_str:alienus],arg:
[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],distance:[0],index:i(p(3,4)),case:abl,prep:ab,sem:[hum],lex:pp1sg,w:1,type:core,cat:pp,c_str:
[prep:ab,head:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:abl,w:1,c_str:pp1sg]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:puto_deem
  polarity:pos
  cat:vg
  * puto *
  pos:v
  lex:putare
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:1
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:1
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * nil ** humani *
  index:i(p(1,2))
  cat:np
  sem:[thing,abstract]
  lex:nihil
  number:sing
  person:3
  gender:neuter
  case:acc
  c_str
    pos:prindef
    lex:nihil
    gender:neuter
    case:acc
    number:sing
    person:3
    sem:[thing,abstract]
```

```

    cat:adjp
    * humani *
    case:gen
    number:sing
    gender:neuter
    lex:humanus
    c_str
    humanus
object_cplt
    * a * * me * * alienum *
    cat:adjp
    number:sing
    gender:neuter
    lex:alienus
    case:acc
    c_str
    head
        cat:adjp
        * alienum *
        case:acc
        number:sing
        gender:neuter
        lex:alienus
        c_str
        alienus
    arg
        * a * * me *
        index:i(p(3,4))
        case:abl
        prep:ab
        sem:[hum]
        lex:pp1sg
        cat:pp
        c_str
        prep:ab
        head
            * me *
            index:i(p(3,4))
            cat:np
            sem:[hum]
            lex:pp1sg
            number:sing
            person:1
            gender:or([masc,fem])
            case:abl
            c_str
            pp1sg

```

Comment: OK.

Carthaginem ceterae civitates secutae.

[0/carthaginem,1/ceterae,2/ciuitates,3/secutae,endpos(4)]

cputime : 0.09375

6.98--->

[illocutionary_force:statement,vg:[selected_reading:sequor_follow,polarity:pos,cat:vg,type:finite,pathlist:[p(3,4)],hp:
[p(3,4)],lex:sequi_2,person:3,mood:indicative,tense:perfect,voice:act,number:pl,gender:fem,w:3],subject:
[number:pl,gender:fem,pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:common,sem:
[hum,loc],person:3,type:core,lex:ciuitas,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:ciuitates,lex:ciuitas,case:nom,gender:fem,class:common,ab:no,number:pl,sem:[hum,loc]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:nom,number:pl,gender:fem,lex:ceterus,type:std,w:1,c_str:ceterus]]],object:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[city,thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:carthago,txt:cartha
ginem,case:acc,w:1,c_str:carthaginem]]

illocutionary_force:statement

vg

selected_reading:sequor_follow

polarity:pos

cat:vg

* secutae *

lex:sequi_2

person:3

mood:indicative

tense:perfect

voice:act

number:pl

gender:fem

subject

number:pl

gender:fem

* ceterae * * ciuitates *

index:i(p(2,3))

cat:np

sem:[hum,loc]

person:3

lex:ciuitas

case:nom

c_str

head

* ciuitates *

pos:noun

lex:ciuitas

case:nom

gender:fem

number:pl

sem:[hum,loc]

adjp

cat:adjp

* ceterae *

case:nom

number:pl

gender:fem

lex:ceterus

c_str

ceterus

object

* carthaginem *

index:i(p(0,1))

cat:np
sem:[city,thing,abstract]
number:sing
person:3
gender:fem
lex:carthago
case:acc
c_str
carthaginem

Comment : OK

Censuerant patres mittendos ad Germanicum exercitum legatos.

```
[0/censuerant,1/patres,2/mittendos,3/ad,4/germanicum,5/exercitum,6/legatos,endpos(7)]
cputime : 1.1875
```

5.96--->

[illocutionary_force:statement,vg:[selected_reading:censeo_decide_that,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_63590,w:0,pos:v,class:tr_cod,type:finitellex:censere,voice:act,txt:censuerant,tense:pluperfect,kind:std,mood:i
ndicative,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:npp,sem:
[hum]],class:common,lxtype:full,origin:noun,person:3,type:core,llex:pater,txt:patres,case:nom,w:1,c_str:patres],object:
[cat:pred,type:gerund,subtype:gerundive,case:acc,mood:gerund,class:m,local_case:acc,number:sing,person:3,gender:neuter,pa
thlist:[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],distance:[0],gap:[],w:3.969999999999998,c_str:[vg:
[selected_reading:mitto_send,pos:gdiv,txt:mittendos,case:acc,gender:masc,number:pl],llex:mittere,class:tr_cod_coi,type:gdiv,ki
nd:std,mood:gerund,person:3],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:npp,sem:
[hum]],class:common,lxtype:full,origin:noun,number:pl,person:3,gender:masc,type:core,llex:legatus,txt:legatos,case:acc,w:1,c_
str:legatos],prep_cp[pt:[pathlist:[p(3,4),p(4,5),p(5,6)],hp:[p(5,6)],distance:[0],index:i(p(5,6))],case:acc,prep:ad,sem:
[thing,hum,loc],llex:exercitus,w:-1,type:core,cat:pp,c_str:[prep:ad,head:[pathlist:[p(4,5),p(5,6)],hp:
[p(5,6)],index:i(p(5,6)),distance:[0],cat:npp,class:common,sem:
[thing,hum,loc],number:sing,person:3,gender:masc,type:core,llex:exercitus,lxtype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(5,6)],pos:noun,txt:exercitum,llex:exercitus,case:acc,gender:masc,class:common,ab:no,number:sing,sem:
[thing,hum,loc]],adjp:[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:
[p(4,5)],case:acc,number:sing,gender:masc,llex:germanicus,type:std,w:1,c_str:germanicus]]]]]]]]]

illocutionary_force:statement
vg
selected_reading:censeo_decide_that
polarity:pos
cat:vg
* censuerant *
pos:v
lex:censere
voice:act
tense:pluperfect
mood:indicative
number:pl
person:3
subject
number:pl
gender:masc
* patres *
index:i(p(1,2))
cat:np
sem:[hum]
person:3
lex:pater
case:nom
c_str
patres
object
cat:pred
subtype:gerundive
case:acc
mood:gerund
local_case:acc
number:sing
person:3
gender:neuter
* mittendos ** ad ** germanicum ** exercitum ** legatos *
c_str
vg

```

selected_reading:mitto_send
pos:gdiv
case:acc
gender:masc
number:pl
lex:mittere
mood:gerund
person:3
object
* legatos *
index:i(p(6,7))
cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:legatus
case:acc
c_str
legatos
prep_cplt
* ad * * germanicum * * exercitum *
index:i(p(5,6))
case:acc
prep:ad
sem:[thing,hum,loc]
lex:exercitus
cat:pp
c_str
prep:ad
head
* germanicum * * exercitum *
index:i(p(5,6))
cat:np
sem:[thing,hum,loc]
number:sing
person:3
gender:masc
lex:exercitus
case:acc
c_str
head
* exercitum *
pos:noun
lex:exercitus
case:acc
gender:masc
number:sing
sem:[thing,hum,loc]
adjp
cat:adjp
* germanicum *
case:acc
number:sing
gender:masc
lex:germanicus
c_str
germanicus

```

Comment : OK

Elige cui dicas : tu mihi sola places.

[0/elige,1/cui,2/dicas,3/(;),4/tu,5/mihi,6/sola,7/places,endpos(8)]
cputime : 0.796875

5.99--->

[illocutionary_force:statement,vg:[selected_reading:eligo_choose,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_64112,w:0,pos:v,class:tr_cod,type:finite,lex:eligere,voice:act,txt:elige,tense:present,kind:std,mood:imperative,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,number:sing,gender:or([masc,fem,neuter]),sem:
[hum],person:3,case:or([nom,acc,dat]),lex:dummy_np,w:4.99,c_str:[head:
[lex:dummy_np,number:sing,gender:or([masc,fem,neuter]),person:3,index:_64856,constraints_to_be_met:[case:dat,sem:
[hum]]],rel_clause:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:[0],gap:[gap:
[type:np,index:dummy_np,function:i_object,i_object:[e:dummy_np],constraints:[case:dat,sem:
[hum]]]],index:dummy_np,number:sing,gender:or([masc,fem,neuter]),case:dat,person:_65090,reltype:restrictive,type:finite,mo
od:subjunctive,tense:present,constraints:[case:dat,sem:[hum]],w:4.99,c_str:[illocutionary_force:statement,vg:
[selected_reading:dico_say_that,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_65294,w:0,pos:v,class:tr_inf,type:finite,lex:dicere,voice:act,txt:dicas,tense:present,kind:std,mood:subjunctive,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:[p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:
[0],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:indicative,tense:present,polar
ity:pos,argbound:no,gap:[],w:2.99,add:colon,flagint:_65898,c_str:[illocutionary_force:statement,vg:
[selected_reading:placeo_please,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_66024,w:0,pos:v,class:tr_coi,type:finite,lex:placere,voice:act,txt:places,tense:present,kind:std,mood:indicative,
number:sing,person:2],subject:[number:sing,gender:fem,pathlist:[p(4,5),p(6,7)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,sem:[hum],class:proper,lex:pp2sg,person:2,type:core,case:nom,w:1,c_str:[head:
[pos:prpers,txt:tu,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),case:nom,sem:[hum]],adjp:[cat:adjp,pathlist:
[p(6,7)],distance:[0],hp:[p(6,7)],case:nom,number:sing,gender:fem,lex:solus,type:std,w:1,c_str:solus]],i_object:[pathlist:
[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1sg]],i_object:
[e:dummy_np]]]]]]]

illocutionary_force:statement

vg

selected_reading:eligo_choose

polarity:pos

cat:vg

* elige *

pos:v

lex:eligere

voice:act

tense:present

mood:imperative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* cui * * dicas * * : * * tu * * mihi * * sola * * places *

cat:np

index:dummy_np

```

number:sing
gender:or([masc,fem,neuter])
sem:[hum]
person:3
case:or([nom,acc,dat])
lex:dummy_np
c_str
  head
    lex:dummy_np
    number:sing
    gender:or([masc,fem,neuter])
    person:3
    constraints_to_be_met:[case:dat,sem:[hum]]
  rel_clause
    * cui ** dicas ** : ** tu ** mihi ** sola ** places *
    index:dummy_np
    number:sing
    gender:or([masc,fem,neuter])
    case:dat
    reltype:restrictive
    mood:subjunctive
    tense:present
    c_str
      illocutionary_force:statement
      vg
        selected_reading:dico_say_that
        polarity:pos
        cat:vg
        * dicas *
        pos:v
        lex:dicere
        voice:act
        tense:present
        mood:subjunctive
        number:sing
        person:2
      subject
        source:context_retrievable
        number:sing
        gender:or([masc,fem])
        person:2
        cat:np
        index:i(0,0)
        constraints_to_be_met:[sem:[hum]]
        case:nom
      object
        cat:pred
        * : ** tu ** mihi ** sola ** places *
        illocutionary_force:statement
        number:sing
        person:3
        vgperson:2
        gender:neuter
        mood:indicative
        tense:present
        polarity:pos
        add:colon
      c_str
        illocutionary_force:statement
        vg
          selected_reading:placeo_please
          polarity:pos
          cat:vg
          * places *

```

```

pos:v
lex:placere
voice:act
tense:present
mood:indicative
number:sing
person:2
subject
  number:sing
  gender:fem
  * tu * * sola *
  index:i(p(4,5))
  cat:np
  sem:[hum]
  lex:pp2sg
  person:2
  case:nom
  c_str
    head
      pos:prpers
      lex:pp2sg
      number:sing
      person:2
      gender:or([masc,fem])
      case:nom
      sem:[hum]
    adjp
      cat:adjp
      * sola *
      case:nom
      number:sing
      gender:fem
      lex:solus
      c_str
        solus
  i_object
    * mihi *
    index:i(p(5,6))
    cat:np
    sem:[hum]
    lex:pp1sg
    number:sing
    person:1
    gender:or([masc,fem])
    case:dat
    c_str
      pp1sg
  i_object
    e:dummy_np

```

Comment: parse OK; there are other ways of parsing the sentence that are equally acceptable; truth to tell, the sentence has been selected only because it's stylistically so wonderful, with the contrasting 'elige' and 'sola'...

% 10 Horatius Carmina 1 5 1 - notice that the whole thing does not sport a single toolword.

Me tabula sacer votiva paries indicat uvida suspendisse potenti vestimenta maris deo.

[0/me,1/tabula,2/sacer,3/uotiu,4/paries,5/indicat,6/uuida,7/suspendisse,8/potenti,9/uestimenta,10/maris,11/deo,endpos
(12)]
cputime : 32.10937500000001

Parse A

7.99--->

```
[illocutionary_force:statement,vg:[selected_reading:indico_show_that,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:  
[p(5,6)],gender:_68984,w:0,pos:v,class:tr_cod,type:finite,lex:indicare,voice:act,txt:indicat,tense:present,kind:std,mood:indicati  
ve,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:  
[1],cat:np,class:common,sem:[thing],person:3,type:core,lex:paries,lextype:full,case:nom,w:2,c_str:[head:[pathlist:  
[p(4,5)],pos:noun,txt:paries,lex:paries,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[thing]],adjp:  
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:  
[p(2,3)],case:nom,number:sing,gender:masc,lex:sacer,type:std,w:1,c_str:sacer]]],object:  
[cat:pred,type:nonfinite,mood:infinitive,tense:past,class:m,pathlist:  
[p(0,1),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:  
[4],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_69988,w:8,flagint:no,c_str:[vg:  
[selected_reading:suspendo_dedicate,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:  
[p(7,8)],gender:or([masc,fem]),w:0,pos:v,class:tr_cod_coi,type:nonfinite,lex:suspendere,voice:act,txt:suspendere,tense:past,kin  
d:std,mood:infinitive,number:sing,person:_70286],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(0,1)],hp:  
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:  
[hum],class:proper,lex:pp1sg,person:1,type:core,case:acc,w:1,c_str:pp1sg],object:[pathlist:[p(6,7),p(9,10),p(10,11)],hp:  
[p(9,10)],index:i(p(9,10))],distance:[2],sem:  
[thing],number:pl,person:3,cat:np,lex:uestimentum,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1,c_str:[head:  
[pathlist:[p(6,7),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:[2],cat:np,class:common,sem:  
[thing],number:pl,person:3,gender:neuter,type:core,lex:uestimentum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:  
[p(9,10)],pos:noun,txt:uestimenta,lex:uestimentum,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:[thing]],adjp:  
[cat:adjp,pathlist:[p(6,7)],distance:[0],hp:  
[p(6,7)],case:acc,number:pl,gender:neuter,lex:uuidus,type:std,w:1,c_str:uuidus]]],noun_cplt:[pathlist:[p(10,11)],hp:  
[p(10,11)],index:i(p(10,11)),distance:[0],cat:np,sem:  
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:mare,txt:maris,case:gen,w  
:1,c_str:maris]]],i_object:[pathlist:[p(8,9),p(11,12)],hp:[p(11,12)],index:i(p(11,12)),distance:[2],cat:np,class:common,sem:  
[hum],number:sing,person:3,gender:masc,type:core,lex:deus,lextype:full,case:dat,w:2,c_str:[head:[pathlist:  
[p(11,12)],pos:noun,txt:deo,lex:deus,case:dat,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:  
[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:  
[p(8,9)],case:dat,number:sing,gender:masc,lex:potens,type:std,w:1,c_str:potens]]],adjunct:[pathlist:[p(1,2),p(3,4)],hp:  
[p(1,2)],index:i(p(1,2)),distance:[1],cat:np,class:common,sem:  
[thing],number:sing,person:3,gender:fem,type:core,lex:tabula,lextype:full,case:abl,w:2,c_str:[head:[pathlist:  
[p(1,2)],pos:noun,txt:tabula,lex:tabula,case:abl,gender:fem,class:common,ab:no,number:sing,sem:[thing]],adjp:  
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:[p(3,4)],case:abl,number:sing,gender:fem,lex:uotiuus,type:std,w:1,c_str:uotiuus]]]
```

illocutionary_force:statement

vg

selected_reading:indico_show_that

polarity:pos

cat:vg

* indicat *

pos:v

lex:indicare

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

```

* sacer * * paries *
index:i(p(4,5))
cat:np
sem:[thing]
person:3
lex:paries
case:nom
c_str
  head
    * paries *
    pos:noun
    lex:paries
    case:nom
    gender:masc
    number:sing
    sem:[thing]
  adjp
    cat:adjp
    * sacer *
    case:nom
    number:sing
    gender:masc
    lex:sacer
    c_str
    sacer
object
  cat:pred
  mood:infinitive
  tense:past
  * me * * uida * * suspendisse * * potenti * * uestimenta * * maris * * deo *
  number:sing
  gender:neuter
  case:or([nom,acc])
  person:3
  polarity:pos
  c_str
    vg
      selected_reading:suspendo_dedicate
      polarity:pos
      cat:vg
      * suspendisse *
      gender:or([masc,fem])
      pos:v
      lex:suspendere
      voice:act
      tense:past
      mood:infinitive
      number:sing
    subject
      number:sing
      gender:or([masc,fem])
      * me *
      index:i(p(0,1))
      cat:np
      sem:[hum]
      lex:pp1sg
      person:1
      case:acc
      c_str
      pp1sg
    object
      * uida * * uestimenta * * maris *
      index:i([p(9,10)])
      sem:[thing]

```



```

number:pl
person:3
cat:np
lex:uestimentum
gender:neuter
case:acc
c_str
  head
    * uuida * * uestimenta *
    index:i(p(9,10))
    cat:np
    sem:[thing]
    number:pl
    person:3
    gender:neuter
    lex:uestimentum
    case:acc
    c_str
      head
        * uestimenta *
        pos:noun
        lex:uestimentum
        case:acc
        gender:neuter
        number:pl
        sem:[thing]
      adjp
        cat:adjp
        * uuida *
        case:acc
        number:pl
        gender:neuter
        lex:uuidus
        c_str
          uuidus
    noun_cplt
      * maris *
      index:i(p(10,11))
      cat:np
      sem:[thing,loc]
      number:sing
      person:3
      gender:neuter
      lex:mare
      case:gen
      c_str
        maris
i_object
  * potenti * * deo *
  index:i(p(11,12))
  cat:np
  sem:[hum]
  number:sing
  person:3
  gender:masc
  lex:deus
  case:dat
  c_str
    head
      * deo *
      pos:noun
      lex:deus
      case:dat
      gender:masc

```

```

        number:sing
        sem:[hum]
    adjp
        cat:adjp
        * potenti *
        case:dat
        number:sing
        gender:masc
        lex:potens
        c_str
        potens
adjunct
    * tabula * * uotiuia *
    index:i(p(1,2))
    cat:np
    sem:[thing]
    number:sing
    person:3
    gender:fem
    lex:tabula
    case:abl
    c_str
    head
        * tabula *
        pos:noun
        lex:tabula
        case:abl
        gender:fem
        number:sing
        sem:[thing]
    adjp
        cat:adjp
        * uotiuia *
        case:abl
        number:sing
        gender:fem
        lex:uotiuus
        c_str
        uotiuus

```

Comment : 'maris' wrongly assigned to 'vestimenta' instead of 'deo'

Parse B

7.99--->

[illocutionary_force:statement,vg:[selected_reading:indico_show_that,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_72884,w:0,pos:v,class:tr_cod,type:finite,lex:indicare,voice:act,txt:indicat,tense:present,kind:std,mood:indicati
ve,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[1],cat:np,class:common,sem:[thing],person:3,type:core,lex:paries,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:paries,lex:paries,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[thing]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:nom,number:sing,gender:masc,lex:sacer,type:std,w:1,c_str:sacer]]],object:
[cat:pred,type:nonfinite,mood:infinitive,tense:past,class:m,pathlist:
[p(0,1),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:
[4],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_73888,w:8,flagint:no,c_str:[vg:
[selected_reading:suspendo_dedicate,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:or([masc,fem]),w:0,pos:v,class:tr_cod_coi,type:nonfinite,lex:suspendere,voice:act,txt:suspendere,tense:past,kin
d:std,mood:infinitive,number:sing,person:_74186],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,person:1,type:core,case:acc,w:1,c_str:pp1sg],object:[pathlist:[p(6,7),p(9,10)],hp:
[p(9,10)],index:i(p(9,10)),distance:[2],cat:np,class:common,sem:
[thing],number:pl,person:3,gender:neuter,type:core,lex:uestimentum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(9,10)],pos:noun,txt:uestimenta,lex:uestimentum,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:[thing]],adjp:
[cat:adjp,pathlist:[p(6,7)],distance:[0],hp:
[p(6,7)],case:acc,number:pl,gender:neuter,lex:uuidus,type:std,w:1,c_str:uuidus]]],i_object:[pathlist:
[p(8,9),p(10,11),p(11,12)],hp:[p(11,12)],index:i([p(11,12)]),distance:[2],sem:
[hum],number:sing,person:3,cat:np,lex:deus,lextype:full,gender:masc,type:full,case:dat,class:common,w:1,c_str:[head:[pathlist:
[p(8,9),p(11,12)],hp:[p(11,12)],index:i(p(11,12)),distance:[2],cat:np,class:common,sem:
[hum],number:sing,person:3,gender:masc,type:core,lex:deus,lextype:full,case:dat,w:2,c_str:[head:[pathlist:
[p(11,12)],pos:noun,txt:deo,lex:deus,case:dat,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:
[p(8,9)],case:dat,number:sing,gender:masc,lex:potens,type:std,w:1,c_str:potens]]],noun_cplt:[pathlist:[p(10,11)],hp:
[p(10,11)],index:i(p(10,11)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:mare,txt:maris,case:gen,w
:1,c_str:maris]]]],adjunct:[pathlist:[p(1,2),p(3,4)],hp:[p(1,2)],index:i(p(1,2)),distance:[1],cat:np,class:common,sem:
[thing],number:sing,person:3,gender:fem,type:core,lex:tabula,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:tabula,lex:tabula,case:abl,gender:fem,class:common,ab:no,number:sing,sem:[thing]],adjp:
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:[p(3,4)],case:abl,number:sing,gender:fem,lex:uotiuus,type:std,w:1,c_str:uotiuus]]]]

illocutionary_force:statement

vg

selected_reading:indico_show_that

polarity:pos

cat:vg

* indicat *

pos:v

lex:indicare

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* sacer * * paries *

index:i(p(4,5))

cat:np

sem:[thing]

person:3

lex:paries

case:nom

c_str

head

```

    * paries *
    pos:noun
    lex:paries
    case:nom
    gender:masc
    number:sing
    sem:[thing]
  adjp
    cat:adjp
    * sacer *
    case:nom
    number:sing
    gender:masc
    lex:sacer
    c_str
    sacer
object
  cat:pred
  mood:infinitive
  tense:past
  * me ** uuida ** suspendisse ** potenti ** uestimenta ** maris ** deo *
  number:sing
  gender:neuter
  case:or([nom,acc])
  person:3
  polarity:pos
  c_str
    vg
      selected_reading:suspendo_dedicate
      polarity:pos
      cat:vg
      * suspendisse *
      gender:or([masc,fem])
      pos:v
      lex:suspendere
      voice:act
      tense:past
      mood:infinitive
      number:sing
    subject
      number:sing
      gender:or([masc,fem])
      * me *
      index:i(p(0,1))
      cat:np
      sem:[hum]
      lex:pp1sg
      person:1
      case:acc
      c_str
      pp1sg
    object
      * uuida ** uestimenta *
      index:i(p(9,10))
      cat:np
      sem:[thing]
      number:pl
      person:3
      gender:neuter
      lex:uestimentum
      case:acc
      c_str
      head
        * uestimenta *

```

```

pos:noun
lex:uestimentum
case:acc
gender:neuter
number:pl
sem:[thing]
adjp
  cat:adjp
  * uuida *
  case:acc
  number:pl
  gender:neuter
  lex:uuidus
  c_str
  uuidus
i_object
  * potenti * * maris * * deo *
  index:i(p(11,12))
  sem:[hum]
  number:sing
  person:3
  cat:np
  lex:deus
  gender:masc
  case:dat
  c_str
  head
    * potenti * * deo *
    index:i(p(11,12))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:deus
    case:dat
    c_str
    head
      * deo *
      pos:noun
      lex:deus
      case:dat
      gender:masc
      number:sing
      sem:[hum]
      adjp
        cat:adjp
        * potenti *
        case:dat
        number:sing
        gender:masc
        lex:potens
        c_str
        potens
noun_cplt
  * maris *
  index:i(p(10,11))
  cat:np
  sem:[thing,loc]
  number:sing
  person:3
  gender:neuter
  lex:mare
  case:gen

```

```

      c_str
      maris
adjunct
  * tabula * * uotua *
  index:i(p(1,2))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:fem
  lex:tabula
  case:abl
  c_str
  head
    * tabula *
    pos:noun
    lex:tabula
    case:abl
    gender:fem
    number:sing
    sem:[thing]
  adjp
    cat:adjp
    * uotua *
    case:abl
    number:sing
    gender:fem
    lex:uotuius
    c_str
    uotuius

```

Comment : parse OK, with 'maris' related to 'deo'

% 11 Martial, 2 78.

Aestivo serves ubi piscem tempore quaeris?

[0/aestiuo,1/serues,2/ubi,3/piscem,4/tempore,5/quaeris,endpos(6)]

cputime : 0.3125

Parse A

5.99--->

[illocutionary_force:question,vg:[selected_reading:quaero_ask,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_62272,w:0,pos:v,class:tr_cod,type:finite,lex:quaerere,voice:act,txt:quaeris,tense:present,kind:std,mood:indicat
ive,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masculine,female]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:[p(0,1),p(1,2),p(3,4),p(4,5)],distance:
[0],illocutionary_force:question,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pola
rity:pos,argbound:no,gap:[],w:3.99,add:no,flagint:or([yes_no_question,wh_question]),c_str:[illocutionary_force:question,vg:
[selected_reading:servo_keep,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_63036,w:0,pos:v,class:tr_cod,type:finite,lex:seruare,voice:act,txt:serues,tense:present,kind:std,mood:subjuncti
ve,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masculine,female]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:piscis,txt:piscem,case:acc,w:1,c
_str:piscem],adjunct:[pathlist:[p(0,1),p(4,5)],hp:[p(4,5)],distance:
[0],cat:np,class:adjunct,value:time,number:sing,person:3,gender:neuter,lex:tempus,lextype:full,type:int,case:abl,w:2,c_str:
[head:[lex:tempus,sem:time_when,cat:np,number:sing,gender:neuter,case:acc,index:i(p(4,5))],adj:aestiuus]]],adjunct:[pathlist:
[p(2,3)],hp:[p(2,3)],distance:[0],cat:advp,class:adjunct,value:place,lex:ubi,lextype:full,type:int,w:2,c_str:
[lex:ubi,sem:location,cat:advp]]]

illocutionary_force:question

vg

selected_reading:quaero_ask

polarity:pos

cat:vg

* quaeris *

pos:v

lex:quaerere

voice:act

tense:present

mood:indicative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masculine,female])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

cat:pred

* aestiuo * * serues * * piscem * * tempore *

illocutionary_force:question

number:sing

person:3

vgperson:2

gender:neuter

mood:subjunctive

tense:present

polarity:pos

add:no

c_str

```

illocutionary_force:question
vg
  selected_reading:servo_keep
  polarity:pos
  cat:vg
  * serues *
  pos:v
  lex:seruare
  voice:act
  tense:present
  mood:subjunctive
  number:sing
  person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * piscem *
  index:i(p(3,4))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:masc
  lex:piscis
  case:acc
  c_str
  piscem
adjunct
  * aestiuo * * tempore *
  cat:np
  value:time
  number:sing
  person:3
  gender:neuter
  lex:tempus
  case:abl
  c_str
  head
    lex:tempus
    sem:time_when
    cat:np
    number:sing
    gender:neuter
    case:acc
    index:i(p(4,5))
  adj:aestiuus
adjunct
  * ubi *
  cat:advp
  value:place
  lex:ubi
  c_str
  lex:ubi
  sem:location
  cat:advp

```

Comment: 'ubi' is not assigned to the question object of 'quaeris'

Parse B

5.99--->

```
[illocutionary_force:question,vg:[selected_reading:quaero_ask,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_66374,w:0,pos:v,class:tr_cod,type:finite,lex:quaerere,voice:act,txt:quaeris,tense:present,kind:std,mood:indicat
ive,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masculine,feminine]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[humane]],distance:[0],pathlist:[],case:nominative,w:0],object:[cat:pred,type:finite,pathlist:[p(0,1),p(1,2),p(3,4),p(4,5)],distance:
[0],illocutionary_force:question,class:mood,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pola
rity:pos,argbound:no,gap:[],w:3.99,add:no,flagint:or([yes_no_question,wh_question]),c_str:[illocutionary_force:question,vg:
[selected_reading:servo_keep_safe,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_67138,w:0,pos:v,class:tr_cod,type:finite,lex:seruare,voice:act,txt:serues,tense:present,kind:std,mood:subjuncti
ve,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masculine,feminine]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[humane]],distance:[0],pathlist:[],case:nominative,w:0],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:piscis,txt:piscem,case:acc,w:1,c
_str:piscem],adjunct:[pathlist:[p(0,1),p(4,5)],hp:[p(4,5)],distance:
[0],cat:np,class:adjunct,value:time,number:sing,person:3,gender:neuter,lex:tempus,lextype:full,type:int,case:abl,w:2,c_str:
[head:[lex:tempus,sem:time_when,cat:np,number:sing,gender:neuter,case:acc,index:i(p(4,5))],adj:aestiuus]]],adjunct:[pathlist:
[p(2,3)],hp:[p(2,3)],distance:[0],cat:advp,class:adjunct,value:place,lex:ubi,lextype:full,type:int,w:2,c_str:
[lex:ubi,sem:location,cat:advp]]]
```

```
illocutionary_force:question
vg
  selected_reading:quaero_ask
  polarity:pos
  cat:vg
  * quaeris *
  pos:v
  lex:quaerere
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masculine,feminine])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[humane]]
  case:nominative
object
  cat:pred
  * aestiuo * * serues * * piscem * * tempore *
  illocutionary_force:question
  number:sing
  person:3
  vgperson:2
  gender:neuter
  mood:subjunctive
  tense:present
  polarity:pos
  add:no
  c_str
    illocutionary_force:question
  vg
    selected_reading:servo_keep_safe
    polarity:pos
    cat:vg
```

```

* serues *
pos:v
lex:seruare
voice:act
tense:present
mood:subjunctive
number:sing
person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * piscem *
  index:i(p(3,4))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:masc
  lex:piscis
  case:acc
  c_str
  piscem
adjunct
  * aestiuo * * tempore *
  cat:np
  value:time
  number:sing
  person:3
  gender:neuter
  lex:tempus
  case:abl
  c_str
  head
    lex:tempus
    sem:time_when
    cat:np
    number:sing
    gender:neuter
    case:acc
    index:i(p(4,5))
  adj:aestiuus
adjunct
  * ubi *
  cat:advp
  value:place
  lex:ubi
  c_str
  lex:ubi
  sem:location
  cat:advp

```

Comment: wrong assignment of ubi, as in parse 1. The two parses differ in the assignment of word meaning for 'servare': keep vs keep safe.

% 12 Caesar De Bello Gallico I 9 3 4.

Cupiditate regni adductus nouis rebus studebat.

[0/cupiditate,1/regni,2/adductus,3/nouis,4/rebus,5/studebat,endpos(6)]
cputime : 2.3125

6.5--->

```
[illocutionary_force:statement,vg:[selected_reading:studeo_desire,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_64386,w:0,pos:v,class:tr_cod_dat,type:finite,lex:studere,voice:act,txt:studebat,tense:imperfect,kind:std,mood:
indicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1),p(1,2),p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:pc2np,sem:
[hum],person:3,type:clausal,lex:adduco_drive,lextype:full,case:nom,w:1.5,c_str:[past_participle,adduco_drive,[agent:[pathlist:
[p(0,1),p(1,2)],hp:[p(0,1)],index:i([p(0,1)]),distance:[0],sem:
[abstract],number:sing,person:3,cat:np,lex:cupiditas,lextype:full,gender:fem,type:full,case:abl,class:common,w:1.5,c_str:[head:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:cupiditas,txt:cupiditate,case:a
bl,w:1,c_str:cupiditate],noun_cplt:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:regnum,txt:regni,case:gen,w:1,c_str:regni]]]]],object:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:fem,type:core,lex:res_novae,lextype:full,case:dat,w:3,c_str:res_novae]]
```

```
illocutionary_force:statement
vg
  selected_reading:studeo_desire
  polarity:pos
  cat:vg
  * studebat *
  pos:v
  lex:studere
  voice:act
  tense:imperfect
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * cupiditate * * regni * * adductus *
  index:i(p(2,3))
  cat:np
  sem:[hum]
  person:3
  lex:adduco_drive
  case:nom
  c_str
    past_participle
    adduco_drive
    agent
      * cupiditate * * regni *
      index:i([p(0,1)])
      sem:[abstract]
      number:sing
      person:3
      cat:np
      lex:cupiditas
      gender:fem
      case:abl
      c_str
        head
          * cupiditate *
          index:i(p(0,1))
          cat:np
```

```

        sem:[abstract]
        number:sing
        person:3
        gender:fem
        lex:cupiditas
        case:abl
        c_str
        cupiditate
noun_cplt
    * regni *
    index:i(p(1,2))
    cat:np
    sem:[thing,abstract]
    number:sing
    person:3
    gender:neuter
    lex:regnum
    case:gen
    c_str
    regni
object
    * nouis * * rebus *
    index:i(p(4,5))
    cat:np
    sem:[abstract]
    number:pl
    person:3
    gender:fem
    lex:res_novae
    case:dat
    c_str
    res_novae

```

Comment : OK. 'Res novae' recognized as idiomatic structure and semantic object of 'studebat'

% 13 Tacitus Hist Lib I XXX 3.

Falluntur quibus luxuria specie liberalitatis imponit.

[0/falluntur,1/quibus,2/luxuria,3/specie,4/liberalitatis,5/imponit,endpos(6)]
cputime : 1.375

2--->

[illocutionary_force:statement,vg:[selected_reading:fallo_deceive,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_62528,w:0,pos:v,class:tr_cod,type:finite,lex:fallere,voice:pass,txt:falluntur,tense:present,kind:std,mood:indicat
ive,number:pl,person:3],subject:[number:pl,gender:or([masc,fem,neuter]),pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:
[],distance:[0],cat:np,type:full,class:common,index:dummy_np,sem:
[hum],person:3,case:or([nom,acc,dat]),lex:dummy_np,w:2,c_str:[head:
[lex:dummy_np,number:pl,gender:or([masc,fem,neuter]),person:3,index:_63052,constraints_to_be_met:[case:dat,sem:
[hum]]],rel_clause:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],distance:[0],gap:[gap:
[type:np,index:dummy_np,function:i_object,i_object:[e:dummy_np],constraints:[case:dat,sem:
[hum]]],index:dummy_np,number:pl,gender:or([masc,fem,neuter]),case:dat,person:_63286,reltype:restrictive,type:finite,moo
d:indicative,tense:present,constraints:[case:dat,sem:[hum]],w:2,c_str:[illocutionary_force:statement,vg:
[selected_reading:impono_impose,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_63484,w:0,pos:v,class:tr_cod,type:finite,lex:imponere,voice:act,txt:imponit,tense:present,kind:std,mood:indic
ative,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,person:3,type:core,lex:luxuria,txt:luxuria,case:nom,w:1,c_str:luxuria],i_object:
[e:dummy_np],prep_phrase_adjunct_2:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],distance:
[0],index:i(p(4,5)),case:gen,prep:specie,sem:[quality],lex:liberalitas,w:1,type:core,cat:pp,c_str:[prep:specie,head:[pathlist:
[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:liberalitas,txt:liberalitatis,case:
gen,w:1,c_str:liberalitatis]]]]]]]]]]

illocutionary_force:statement
vg
 selected_reading:fallo_deceive
 polarity:pos
 cat:vg
 * falluntur *
 pos:v
 lex:fallere
 voice:pass
 tense:present
 mood:indicative
 number:pl
 person:3
subject
 number:pl
 gender:or([masc,fem,neuter])
 * quibus * * luxuria * * specie * * liberalitatis * * imponit *
 cat:np
 index:dummy_np
 sem:[hum]
 person:3
 case:or([nom,acc,dat])
 lex:dummy_np
 c_str
 head
 lex:dummy_np
 number:pl
 gender:or([masc,fem,neuter])
 person:3
 constraints_to_be_met:[case:dat,sem:[hum]]
 rel_clause
 * quibus * * luxuria * * specie * * liberalitatis * * imponit *
 index:dummy_np
 number:pl

```

gender:or([masc,fem,neuter])
case:dat
reltype:restrictive
mood:indicative
tense:present
c_str
  illocutionary_force:statement
  vg
    selected_reading:impono_impose
    polarity:pos
    cat:vg
    * imponit *
    pos:v
    lex:imponere
    voice:act
    tense:present
    mood:indicative
    number:sing
    person:3
  subject
    number:sing
    gender:fem
    * luxuria *
    index:i(p(2,3))
    cat:np
    sem:[quality]
    person:3
    lex:luxuria
    case:nom
    c_str
      luxuria
  i_object
    e:dummy_np
  prep_phrase_adjunct_2
    * specie * * liberalitatis *
    index:i(p(4,5))
    case:gen
    prep:specie
    sem:[quality]
    lex:liberalitas
    cat:pp
    c_str
      prep:specie
      head
        * liberalitatis *
        index:i(p(4,5))
        cat:np
        sem:[quality]
        number:sing
        person:3
        gender:fem
        lex:liberalitas
        case:gen
        c_str
          liberalitatis

```

Comment: OK

% 14 'dubitare quin' in Non-affirmative Contexts (from Cicero, Paradoxa, 6 48 1).

Quis igitur dubitet quin in virtute divitiae sint?

[0/quis,1/dubitet,2/quin,3/in,4/uitute,5/diuitiae,6/sint,endpos(7)]

cputime : 0.15625

10.99--->

[illocutionary_force:question,vg:[selected_reading:dubito_doubt,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_68122,w:0,pos:v,class:intr,type:finite,lex:dubitare,voice:act,txt:dubitet,tense:present,kind:std,mood:subjunctiv
e,number:sing,person:3],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:[hum],class:int,lex:quis,person:3,type:int,case:nom,w:1,c_str:quis],object:[cat:pred,type:finite,pathlist:
[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],distance:[0],gap:
[],class:m,number:_68682,person:_68694,gender:_68706,case:_68718,mood:subjunctive,tense:present,w:8.99,subordinator:qu
in,argbound:yes,c_str:[quin,[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:
[p(6,7)],hp:
[p(6,7)],gender:_68922,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:sint,tense:present,kind:std,mood:subjunctive,nu
mber:pl,person:3],subject:[number:pl,gender:fem,pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:diuitiae,txt:diuitiae,case:nom,w:1,c_str:diuitiae],predicativ
e:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],distance:[0],index:i(p(4,5)),case:abl,prep:in,sem:
[quality,hum],lex:uitus,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,sem:
[quality,hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:uitus,txt:uitute,case:abl,
w:1,c_str:uitute]]]]]]]]]

illocutionary_force:question

vg

selected_reading:dubito_doubt

polarity:pos

cat:vg

* dubitet *

pos:v

lex:dubitare

voice:act

tense:present

mood:subjunctive

number:sing

person:3

subject

number:sing

gender:or([masc,fem])

* quis *

index:i(p(0,1))

cat:np

sem:[hum]

lex:quis

person:3

case:nom

c_str

quis

object

cat:pred

* quin ** in ** uirtute ** diuitiae ** sint *

mood:subjunctive

tense:present

subordinator

quin

c_str

quin

illocutionary_force:statement

vg

selected_reading:sum_be

polarity:pos

cat:vg

```

* sint *
pos:v
lex:esse
voice:act
tense:present
mood:subjunctive
number:pl
person:3
subject
  number:pl
  gender:fem
  * diuitiae *
  index:i(p(5,6))
  cat:np
  sem:[thing]
  person:3
  lex:diuitiae
  case:nom
  c_str
  diuitiae
predicative
  * in * * uirtute *
  index:i(p(4,5))
  case:abl
  prep:in
  sem:[quality,hum]
  lex:uirtus
  cat:pp
  c_str
  prep:in
  head
    * uirtute *
    index:i(p(4,5))
    cat:np
    sem:[quality,hum]
    number:sing
    person:3
    gender:fem
    lex:uirtus
    case:abl
    c_str
    uirtute

```

Comment: OK

% 15 Cicero Att 4 12 1 5 fragmented main clause.

Id tu quoniam Macronem tanti facis ignoscas mihi uelim.

[0/id,1/tu,2/quoniam,3/macronem,4/tanti,5/facis,6/ignoscas,7/mihi,8/uelim,endpos(9)]
cputime : 0.9375

13.940000000000001--->

[clause_semantics:_67796,subordinator:
[lex:quoniam,pos:sub,argbound:no,mood:indicative,value:reason],subordinate_clause:[quoniam,
[illocutionary_force:statement,vg:[selected_reading:mwu_tanti_facio_appreciate_IDIOM,polarity:pos,cat:vg,pathlist:
[p(5,6)],hp:
[p(5,6)],gender:_68012,w:0,pos:v,class:tr_cod,type:finite,lex:facere,voice:act,txt:facis,tense:present,kind:std,mood:indicative,n
umber:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[male],class:proper,lex:macro,lextype:full,number:sing,person:3,gender:masc,type:core,case:acc,w:1,c_str:macro],object_cplt:
[]],main_clause:[illocutionary_force:statement,vg:[selected_reading:uolo_want_sbd_to,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_68740,w:0,pos:v,class:tr_inf_no_subj,type:finite,lex:uelle,voice:act,txt:uelim,tense:present,kind:std,mood:subj
unctive,number:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:[p(0,1),p(1,2),p(6,7),p(7,8)],distance:
[0],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pol
arity:pos,argbound:no,gap:[],w:4.95,add:no,flagint:_69362,c_str:[illocutionary_force:statement,vg:
[selected_reading:ignosco_pardon,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_69488,w:0,pos:v,class:tr_cod,type:finite,lex:ignoscere,voice:act,txt:ignoscas,tense:present,kind:std,mood:subj
unctive,number:sing,person:2],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,sem:[hum],class:proper,lex:pp2sg,person:2,type:core,case:nom,w:1,c_str:pp2sg],object:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:_69998,class:proper,lex:prpersnomaccneutersing,number:sing,person:3,gender:neuter,type:core,case:acc,w:1,c_
str:prpersnomaccneutersing],i_object:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1sg]]]]]

subordinator
lex:quoniam
pos:sub
mood:indicative
value:reason
subordinate_clause
quoniam
illocutionary_force:statement
vg
selected_reading:mwu_tanti_facio_appreciate_IDIOM
polarity:pos
cat:vg
* facis *
pos:v
lex:facere
voice:act
tense:present
mood:indicative
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object

```

    * macronem *
    index:i(p(3,4))
    cat:np
    sem:[male]
    lex:macro
    number:sing
    person:3
    gender:masc
    case:acc
    c_str
    macro
main_clause
  illocutionary_force:statement
  vg
    selected_reading:uolo_want_sbd_to
    polarity:pos
    cat:vg
    * uelim *
    pos:v
    lex:uelle
    voice:act
    tense:present
    mood:subjunctive
    number:sing
    person:1
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
  object
    cat:pred
    * id ** tu ** ignoscas ** mihi *
    illocutionary_force:statement
    number:sing
    person:3
    vgperson:2
    gender:neuter
    mood:subjunctive
    tense:present
    polarity:pos
    add:no
    c_str
      illocutionary_force:statement
      vg
        selected_reading:ignosco_pardon
        polarity:pos
        cat:vg
        * ignoscas *
        pos:v
        lex:ignoscere
        voice:act
        tense:present
        mood:subjunctive
        number:sing
        person:2
      subject
        number:sing
        gender:or([masc,fem])
        * tu *

```

```
index:i(p(1,2))
cat:np
sem:[hum]
lex:pp2sg
person:2
case:nom
c_str
pp2sg
object
* id *
index:i(p(0,1))
cat:np
lex:prpersnomaccneutersing
number:sing
person:3
gender:neuter
case:acc
c_str
prpersnomaccneutersing
i_object
* mihi *
index:i(p(7,8))
cat:np
sem:[hum]
lex:pp1sg
number:sing
person:1
gender:or([masc,fem])
case:dat
c_str
pp1sg
```

Comment : OK

Maturavit ea res consilium Galbae iampridem de adoptione cum proximis agitantis.

5.48--->

```

illocutionary_force:statement
vg
  selected_reading:maturato_bring_to_maturity
  polarity:pos
  cat:vg
  * maturaui *
  pos:v
  lex:maturare
  voice:act
  tense:perfect
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:fem
  * ea * * res *
  index:i(p(2,3))
  cat:np
  sem:[thing,abstract]
  person:3
  lex:res
  case:nom
  c_str
    head
      * res *
      pos:noun
      lex:res

```

```

    case:nom
    gender:fem
    number:sing
    sem:[thing,abstract]
  adjp
    cat:adjp
    * ea *
    case:nom
    number:sing
    gender:fem
    lex:(is)
    c_str
    is
object
  * consilium ** galbae ** iampridem ** de ** adoptione ** cum ** proximis ** agitantis *
  index:i([p(3,4)])
  sem:[abstract,hum]
  number:sing
  person:3
  cat:np
  lex:consilium
  gender:neuter
  case:acc
  c_str
  head
    * consilium *
    index:i(p(3,4))
    cat:np
    sem:[abstract,hum]
    number:sing
    person:3
    gender:neuter
    lex:consilium
    case:acc
    c_str
    consilium
  noun_cplt
    * galbae ** iampridem ** de ** adoptione ** cum ** proximis ** agitantis *
    index:i(p(4,5))
    cat:np
    sem:[male]
    number:sing
    person:3
    gender:masc
    lex:galba
    case:gen
    c_str
    head
      * galbae *
      index:i(p(4,5))
      cat:np
      sem:[male]
      lex:galba
      number:sing
      person:3
      gender:masc
      case:gen
      c_str
      galba
    participle_clause
      * iampridem ** de ** adoptione ** cum ** proximis ** agitantis *
      cat:ppclause
      number:sing
      gender:masc

```

```

lex:agito_deliberate
case:gen
c_str
  present_participle
  agito_deliberate
  prep_cplt
    * de * * adoptione *
    index:i(p(7,8))
    case:abl
    prep:de
    sem:[abstract]
    lex:adoptio
    cat:pp
    c_str
      prep:de
      head
        * adoptione *
        index:i(p(7,8))
        cat:np
        sem:[abstract]
        number:sing
        person:3
        gender:fem
        lex:adoptio
        case:abl
        c_str
          adoptione
      adverbial_adjunct
      cat:advp
      * iampridem *
      lex:iampridem
      sem:time
      c_str
        head
        iampridem
      prep_phrase_adjunct_1
      * cum * * proximis *
      index:i(p(9,10))
      case:abl
      prep:cum
      sem:[hum]
      lex:proximus
      cat:pp
      c_str
        prep:cum
        head
          * proximis *
          index:i(p(9,10))
          cat:np
          sem:[hum]
          number:pl
          person:3
          gender:masc
          lex:proximus
          case:abl
          c_str
            proximis

```

Comment: OK

% 17 adapted from Tacitus Hist Lib I 74 3.

Otho revocatis quos Galba miserat legatis ad utrumque Germanicum exercitum copias misit.

[0/otho,1/reuocatis,2/quos,3/galba,4/miserat,5/legatis,6/ad,7/utrumque,8/germanicum,9/exercitum,10/copias,11/misit,e
ndpos(12)]

cputime : 69.43750000000001

1.9900000000000002--->

[illocutionary_force:statement,vg:[selected_reading:mitto_send,polarity:pos,cat:vg,pathlist:[p(11,12)],hp:
[p(11,12)],gender:_72142,w:0,pos:v,class:tr_cod_coi,type:finite,lex:mittere,voice:act,txt:misit,tense:perfect,kind:std,mood:indi
cative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:[male],class:proper,lex:otho,lextype:full,person:3,type:core,case:nom,w:1,c_str:otho],object:[pathlist:
[p(10,11)],hp:[p(10,11)],index:i(p(10,11)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:copiae,txt:copias,case:acc,w:1,c_st
r:copias],prep_cplt:[pathlist:[p(6,7),p(7,8),p(8,9),p(9,10)],hp:[p(9,10)],distance:[0],index:i(p(9,10)),case:acc,prep:ad,sem:
[thing,hum,loc],lex:exercitus,w:-2,type:core,cat:pp,c_str:[prep:ad,head:[pathlist:[p(7,8),p(8,9),p(9,10)],hp:
[p(9,10)],index:i(p(9,10)),distance:[0],cat:np,class:common,sem:
[thing,hum,loc],number:sing,person:3,gender:masc,type:core,lex:exercitus,lextype:full,case:acc,w:3,c_str:[head:[pathlist:
[p(9,10)],pos:noun,txt:exercitum,lex:exercitus,case:acc,gender:masc,class:common,ab:no,number:sing,sem:
[thing,hum,loc]],adjp:[cat:adjp,pathlist:[p(7,8),p(8,9)],distance:[0],hp:
[p(8,9)],case:acc,number:sing,gender:masc,lex:germanicus,type:std,w:2,c_str:[uterque,germanicus]]]]],ablative_absolute:
[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],distance:[1],w:0,c_str:[lex:reuoco_call_back,
[pos:p_p,txt:reuocatis,case:abl,gender:masc,number:pl,lex:reuocare,class:tr_cod,type:p_p,kind:std,mood:participle,person:3],
[]],object:[pathlist:[p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(5,6)],distance:
[1],cat:np,type:full,class:common,lextype:full,index:i(p(5,6)),number:pl,gender:masc,sem:
[hum],person:_74132,case:abl,lex:legatus,w:3,c_str:[head:legatis,rel_clause:[pathlist:[p(2,3),p(3,4),p(4,5)],distance:[0],gap:[gap:
[type:np,index:i(p(5,6)),function:object,object:[e:i(p(5,6))],constraints:
[case:acc]]],index:i(p(5,6)),number:pl,gender:masc,case:acc,person:_74420,reltype:restrictive,type:finite,mood:indicative,tense:
pluperfect,constraints:[case:acc],w:2,c_str:[illocutionary_force:statement,vg:
[selected_reading:mitto_send,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_74618,w:0,pos:v,class:tr_cod_coi,type:finite,lex:mittere,voice:act,txt:miserat,tense:pluperfect,kind:std,mood:i
ndicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,sem:[male],class:proper,lex:galba,lextype:full,person:3,type:core,case:nom,w:1,c_str:galba],object:[e:i(p(5,6))]]]]]]]]

illocutionary_force:statement
vg
selected_reading:mitto_send
polarity:pos
cat:vg
* misit *
pos:v
lex:mittere
voice:act
tense:perfect
mood:indicative
number:sing
person:3
subject
number:sing
gender:masc
* otho *
index:i(p(0,1))
cat:np
sem:[male]
lex:otho
person:3
case:nom
c_str
otho
object

```

* copias *
index:i(p(10,11))
cat:np
sem:[hum]
number:pl
person:3
gender:fem
lex:copiae
case:acc
c_str
copias
prep_cplt
* ad * * utrumque * * germanicum * * exercitum *
index:i(p(9,10))
case:acc
prep:ad
sem:[thing,hum,loc]
lex:exercitus
cat:pp
c_str
  prep:ad
  head
    * utrumque * * germanicum * * exercitum *
    index:i(p(9,10))
    cat:np
    sem:[thing,hum,loc]
    number:sing
    person:3
    gender:masc
    lex:exercitus
    case:acc
    c_str
      head
        * exercitum *
        pos:noun
        lex:exercitus
        case:acc
        gender:masc
        number:sing
        sem:[thing,hum,loc]
      adjp
        cat:adjp
        * utrumque * * germanicum *
        case:acc
        number:sing
        gender:masc
        lex:germanicus
        c_str
          uterque
          germanicus
ablative_absolute
* reuocatis * * quos * * galba * * miserat * * legatis *
c_str
  lex:reuoco_call_back
  pos:p_p
  case:abl
  gender:masc
  number:pl
  lex:reuocare
  mood:participle
  person:3
  object
    * quos * * galba * * miserat * * legatis *
    cat:np

```



```

index:i(p(5,6))
number:pl
gender:masc
sem:[hum]
case:abl
lex:legatus
c_str
  head
  legatis
  rel_clause
    * quos * * galba * * miserat *
    index:i(p(5,6))
    number:pl
    gender:masc
    case:acc
    reltype:restrictive
    mood:indicative
    tense:pluperfect
    c_str
      illocutionary_force:statement
      vg
        selected_reading:mitto_send
        polarity:pos
        cat:vg
        * miserat *
        pos:v
        lex:mittere
        voice:act
        tense:pluperfect
        mood:indicative
        number:sing
        person:3
      subject
        number:sing
        gender:masc
        * galba *
        index:i(p(3,4))
        cat:np
        sem:[male]
        lex:galba
        person:3
        case:nom
        c_str
          galba
        object
          e:i(p(5,6))

```

Comment : OK

% 17 bis.

Revocatis quos Galba miserat legatos.

[0/reuocatis,1/quos,2/galba,3/miserat,4/legatos,endpos(5)]
cputime : 2.0625

4--->

[illocutionary_force:statement,vg:[selected_reading:reuoco_call_back,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_61230,w:0,pos:v,class:tr_cod,type:finite,lex:reuocare,voice:act,txt:reuocatis,tense:present,kind:std,mood:indic
ative,number:pl,person:2],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(4,5)],distance:
[1],cat:np,type:full,class:common,lextype:full,index:i(p(4,5)),number:pl,gender:masc,sem:
[hum],person:_61802,case:acc,lex:legatus,w:3,c_str:[head:legatos,rel_clause:[pathlist:[p(1,2),p(2,3),p(3,4)],distance:[0],gap:[gap:
[type:np,index:i(p(4,5)),function:object,object:[e:i(p(4,5))],constraints:
[case:acc]],index:i(p(4,5)),number:pl,gender:masc,case:acc,person:_62090,reltype:restrictive,type:finite,mood:indicative,tense:
pluperfect,constraints:[case:acc],w:2,c_str:[illocutionary_force:statement,vg:
[selected_reading:mitto_send,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_62288,w:0,pos:v,class:tr_cod_coi,type:finite,lex:mittere,voice:act,txt:miserat,tense:pluperfect,kind:std,mood:i
ndicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,sem:[male],class:proper,lex:galba,lextype:full,person:3,type:core,case:nom,w:1,c_str:galba],object:[e:i(p(4,5))]]]]]]]

illocutionary_force:statement

vg

selected_reading:reuoco_call_back

polarity:pos

cat:vg

* reuocatis *

pos:v

lex:reuocare

voice:act

tense:present

mood:indicative

number:pl

person:2

subject

source:context_retrievable

number:pl

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* quos * galba * miserat * legatos *

cat:np

index:i(p(4,5))

number:pl

gender:masc

sem:[hum]

case:acc

lex:legatus

c_str

head

legatos

rel_clause

* quos * galba * miserat *

index:i(p(4,5))

number:pl

gender:masc

case:acc
reltype:restrictive
mood:indicative
tense:pluperfect
c_str
illocutionary_force:statement
vg
selected_reading:mitto_send
polarity:pos
cat:vg
* miserat *
pos:v
lex:mittere
voice:act
tense:pluperfect
mood:indicative
number:sing
person:3
subject
number:sing
gender:masc
* galba *
index:i(p(2,3))
cat:np
sem:[male]
lex:galba
person:3
case:nom
c_str
galba
object
ei(p(4,5))

Comment : OK

Non dubito quin tu meis praeceptis et consiliis obtemperans praestantissimum te civem et singularem consulem praebeas.

Parse A

[illocutionary_force:statement,vg:[selected_reading:dubito_doubt,polarity:neg,w:0,pathlist:[p(0,1),p(1,2)],cat:vg,hp:
[p(1,2)],gender:_97990,pos:v,class:intr,type:finitellex:dubitarevoice:acttxt:dubito,tense:present,kind:std,mood:indicative,num
ber:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finitellex:praebeerevoice:acttxt:praebeas,tense:present,kind:std,mood:sub
junctive,number:sing,person:2],subject:[number:sing,gender:or([masc,fem]),pathlist:
[p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],person:2,type:core,llex:pp2sg,lxtype:full,case:nom,w:8,type_pp:pprcentered,c_str:[head:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,llex:pp2sg,number:sing,person:2,gender:or([masc,fem]),type:core,case:nom,w:1,c_str:pp2sg],participle_cla
use:[pathlist:[p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],hp:[p(8,9)],distance:
[1],cat:ppclause,w:6,type:pprcentered,number:sing,gender:fem,llex:obtempero_obey,case:nom,c_str:
[present_participle,obtempero_obey,[i_object:[pathlist:[p(4,5),p(5,6),p(6,7),p(7,8)],hp:[p(5,6)],index:i([p(5,6),p(7,8)]),distance:
[1],sem:
[abstract],class:common,llex:praeceptum,lxtype:full,type:core,number:pl,person:3,gender:neuter,case:dat,w:3,coord:yes,c_str:
[nom,[head:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[abstract],class:common,lxtype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,llex:praeceptum,txt:praeceptis,ca
se:dat,w:1,c_str:praeceptis],coord:et,head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8))],distance:[0],cat:np,sem:
[abstract,hum],class:common,lxtype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,llex:consilium,txt:consiliis,c
ase:dat,w:1,c_str:consiliis],adjp:[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:
[p(4,5)],case:dat,number:pl,gender:neuter,llex:meus,type:poss,w:1,c_str:meus]]]]]]],object:[pathlist:[p(10,11)],hp:
[p(10,11)],index:i(p(10,11)),distance:[0],cat:np,sem:
[hum],class:proper,llex:pp2sg,number:sing,person:2,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp2sg],object_cplt:
[pathlist:[p(9,10),p(11,12),p(12,13),p(13,14),p(14,15)],hp:[p(11,12)],index:i([p(11,12),p(14,15)]),distance:[2],sem:
[hum],class:common,llex:cuius,lxtype:full,type:core,number:sing,person:3,gender:masc,case:acc,w:4,coord:yes,c_str:[head:
[pathlist:[p(9,10),p(11,12)],hp:[p(11,12)],index:i(p(11,12)),distance:[1],cat:np,sem:
[hum],number:sing,person:3,gender:masc,type:core,llex:cuius,lxtype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(11,12)],pos:noun,txt:ciuem,llex:cuius,case:acc,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(9,10)],distance:[0],hp:
[p(9,10)],case:acc,number:sing,gender:masc,llex:praestans,type:std,w:1,c_str:praestans]]],coord:et,head:[pathlist:
[p(13,14),p(14,15)],hp:[p(14,15)],index:i(p(14,15))],distance:[0],cat:np,sem:
[hum],number:sing,person:3,gender:masc,type:core,llex:consul,lxtype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(14,15)],pos:noun,txt:consulemllex:consul,case:acc,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(13,14)],distance:[0],hp:
[p(13,14)],case:acc,number:sing,gender:masc,llex:singularis,type:std,w:1,c_str:singularis]]]]]]]

```
illocutionary_force:statement
vg
  selected_reading:dubito_doubt
  polarity:neg
  * non ** dubito *
cat:vg
pos:v
lex:dubitare
voice:act
tense:present
mood:indicative
number:sing
```

```

    person:1
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
  object
    cat:pred
    * quin ** tu ** meis ** praeceptis ** et ** consiliis ** obtemperans ** praestantissimum ** te ** ciuem ** et **
    singularem ** consulem ** praebeas *
    mood:subjunctive
    tense:present
    subordinator
    quin
    c_str
      quin
        illocutionary_force:statement
        vg
          selected_reading:v_v
          polarity:pos
          cat:vg
          * praebeas *
          pos:v
          lex:praebere
          voice:act
          tense:present
          mood:subjunctive
          number:sing
          person:2
        subject
          number:sing
          gender:or([masc,fem])
          * tu ** meis ** praeceptis ** et ** consiliis ** obtemperans *
          index:i(p(3,4))
          cat:np
          sem:[hum]
          person:2
          lex:pp2sg
          case:nom
          c_str
            head
              * tu *
              index:i(p(3,4))
              cat:np
              sem:[hum]
              lex:pp2sg
              number:sing
              person:2
              gender:or([masc,fem])
              case:nom
              c_str
                pp2sg
            participle_clause
              * meis ** praeceptis ** et ** consiliis ** obtemperans *
              cat:ppclause
              number:sing
              gender:fem
              lex:obtempero_obey
              case:nom
              c_str

```

```

present_participle
obtempero_obey
  i_object
    * meis * praeceptis * et * consiliis *
    index:i([p(5,6),p(7,8)])
    sem:[abstract]
    lex:praeceptum
    number:pl
    person:3
    gender:neuter
    case:dat
    coord:yes
    c_str
      np
        head
          * praeceptis *
          index:i(p(5,6))
          cat:np
          sem:[abstract]
          number:pl
          person:3
          gender:neuter
          lex:praeceptum
          case:dat
          c_str
            praeceptis
          coord:et
        head
          * consiliis *
          index:i(p(7,8))
          cat:np
          sem:[abstract,hum]
          number:pl
          person:3
          gender:neuter
          lex:consilium
          case:dat
          c_str
            consiliis
      adjp
        cat:adjp
        * meis *
        case:dat
        number:pl
        gender:neuter
        lex:meus
        c_str
          meus
  object
    * te *
    index:i(p(10,11))
    cat:np
    sem:[hum]
    lex:pp2sg
    number:sing
    person:2
    gender:or([masc,fem])
    case:acc
    c_str
      pp2sg
  object_cplt
    * praestantissimum * ciuem * et * singularem * consulem *
    index:i([p(11,12),p(14,15)])
    sem:[hum]

```

```

lex:ciuis
number:sing
person:3
gender:masc
case:acc
coord:yes
c_str
  head
    * praestantissimum * * ciuem *
    index:i(p(11,12))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:ciuis
    case:acc
    c_str
      head
        * ciuem *
        pos:noun
        lex:ciuis
        case:acc
        gender:masc
        number:sing
        sem:[hum]
      adjp
        cat:adjp
        * praestantissimum *
        case:acc
        number:sing
        gender:masc
        lex:praestans
        c_str
          praestans
    coord:et
  head
    * singularem * * consulem *
    index:i(p(14,15))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:consul
    case:acc
    c_str
      head
        * consulem *
        pos:noun
        lex:consul
        case:acc
        gender:masc
        number:sing
        sem:[hum]
      adjp
        cat:adjp
        * singularem *
        case:acc
        number:sing
        gender:masc
        lex:singularis
        c_str
          singularis

```

Parse B

21.96--->

[illocutionary_force:statement,vg:[selected_reading:dubito_doubt,polarity:neg,w:0,pathlist:[p(0,1),p(1,2)],cat:vg,hp:
[p(1,2)],gender:_102462,pos:v,class:intr,type:finite,lex:dubitare,voice:act,txt:dubito,tense:present,kind:std,mood:indicative,nu
mber:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:
[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11),p(11,12),p(12,13),p(13,14),p(14,15),p(15,16)],distance:[2],gap:
[],class:m,number:_103054,person:_103066,gender:_103078,case:_103090,mood:subjunctive,tense:present,w:22.96,subordina
tor:quin,argbound:yes,c_str:[quin,[illocutionary_force:statement,vg:[selected_reading:v_v,polarity:pos,cat:vg,pathlist:
[p(15,16)],hp:
[p(15,16)],gender:_103294,w:0,pos:v,class:tr_cod,type:finite,lex:praebere,voice:act,txt:praebear,tense:present,kind:std,mood:s
ubjunctive,number:sing,person:2],subject:[number:sing,gender:or([masc,fem]),pathlist:
[p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,class:pc2np,sem:
[hum],person:2,type:core,lex:pp2sg,lextype:full,case:nom,w:8,type_pp:pprcentered,c_str:[head:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),type:core,case:nom,w:1,c_str:pp2sg],participle_cla
use:[pathlist:[p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],hp:[p(8,9)],distance:
[1],cat:ppclause,w:6,type:pprcentered,number:sing,gender:masc,lex:obtempero_obey,case:nom,c_str:
[present_participle,obtempero_obey,[i_object:[pathlist:[p(4,5),p(5,6),p(6,7),p(7,8)],hp:[p(5,6)],index:i([p(5,6),p(7,8)]),distance:
[1],sem:
[abstract],class:common,lex:praeceptum,lextype:full,type:core,number:pl,person:3,gender:neuter,case:dat,w:3,coord:yes,c_str:
[np,[head:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:praeceptum,txt:praeceptis,ca
se:dat,w:1,c_str:praeceptis],coord:et,head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[abstract,hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:consilium,txt:consiliis,c
ase:dat,w:1,c_str:consiliis],adjp:[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:
[p(4,5)],case:dat,number:pl,gender:neuter,lex:meus,type:poss,w:1,c_str:meus]]]]]]],object:[pathlist:[p(10,11)],hp:
[p(10,11)],index:i(p(10,11)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp2sg],object_cplt:
[pathlist:[p(9,10),p(11,12),p(12,13),p(13,14),p(14,15)],hp:[p(11,12)],index:i([p(11,12),p(14,15)]),distance:[2],sem:
[hum],class:common,lex:ciuis,lextype:full,type:core,number:sing,person:3,gender:masc,case:acc,w:4,coord:yes,c_str:[head:
[pathlist:[p(9,10),p(11,12)],hp:[p(11,12)],index:i(p(11,12)),distance:[1],cat:np,class:common,sem:
[hum],number:sing,person:3,gender:masc,type:core,lex:ciuis,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(11,12)],pos:noun,txt:ciuem,lex:ciuis,case:acc,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(9,10)],distance:[0],hp:
[p(9,10)],case:acc,number:sing,gender:masc,lex:praestans,type:std,w:1,c_str:praestans]]],coord:et,head:[pathlist:
[p(13,14),p(14,15)],hp:[p(14,15)],index:i(p(14,15)),distance:[0],cat:np,class:common,sem:
[hum],number:sing,person:3,gender:masc,type:core,lex:consul,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(14,15)],pos:noun,txt:consulem,lex:consul,case:acc,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(13,14)],distance:[0],hp:
[p(13,14)],case:acc,number:sing,gender:masc,lex:singularis,type:std,w:1,c_str:singularis]]]]]]]]]

illocutionary_force:statement

vg

selected_reading:dubito_doubt

polarity:neg

* non ** dubito *

cat:vg

pos:v

lex:dubitare

voice:act

tense:present

mood:indicative

number:sing

person:1

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:1


```

cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
cat:pred
* quin ** tu ** meis ** praeceptis ** et ** consiliis ** obtemperans ** praestantissimum ** te ** ciuem ** et **
singularem ** consulem ** praebeas *
mood:subjunctive
tense:present
subordinator
quin
c_str
quin
illocutionary_force:statement
vg
selected_reading:v_v
polarity:pos
cat:vg
* praebeas *
pos:v
lex:praebere
voice:act
tense:present
mood:subjunctive
number:sing
person:2
subject
number:sing
gender:or([masc,fem])
* tu ** meis ** praeceptis ** et ** consiliis ** obtemperans *
index:i(p(3,4))
cat:np
sem:[hum]
person:2
lex:pp2sg
case:nom
c_str
head
* tu *
index:i(p(3,4))
cat:np
sem:[hum]
lex:pp2sg
number:sing
person:2
gender:or([masc,fem])
case:nom
c_str
pp2sg
participle_clause
* meis ** praeceptis ** et ** consiliis ** obtemperans *
cat:ppclause
number:sing
gender:masc
lex:obtempero_obey
case:nom
c_str
present_participle
obtempero_obey
i_object
* meis ** praeceptis ** et ** consiliis *
index:i([p(5,6),p(7,8)])
sem:[abstract]

```

```

lex:praeceptum
number:pl
person:3
gender:neuter
case:dat
coord:yes
c_str
  np
    head
      * praeceptis *
      index:i(p(5,6))
      cat:np
      sem:[abstract]
      number:pl
      person:3
      gender:neuter
      lex:praeceptum
      case:dat
      c_str
      praeceptis
      coord:et
      head
        * consiliis *
        index:i(p(7,8))
        cat:np
        sem:[abstract,hum]
        number:pl
        person:3
        gender:neuter
        lex:consilium
        case:dat
        c_str
        consiliis
      adjp
        cat:adjp
        * meis *
        case:dat
        number:pl
        gender:neuter
        lex:meus
        c_str
        meus
    object
      * te *
      index:i(p(10,11))
      cat:np
      sem:[hum]
      lex:pp2sg
      number:sing
      person:2
      gender:or([masc,fem])
      case:acc
      c_str
      pp2sg
    object_cplt
      * praestantissimum ** ciuem ** et ** singularem ** consulem *
      index:i([p(11,12),p(14,15)])
      sem:[hum]
      lex:ciuis
      number:sing
      person:3
      gender:masc
      case:acc
      coord:yes

```

```

c_str
  head
    * praestantissimum * * ciuem *
    index:i(p(11,12))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:ciuis
    case:acc
  c_str
    head
      * ciuem *
      pos:noun
      lex:ciuis
      case:acc
      gender:masc
      number:sing
      sem:[hum]
    adjp
      cat:adjp
      * praestantissimum *
      case:acc
      number:sing
      gender:masc
      lex:praestans
      c_str
        praestans
  coord:et
  head
    * singularem * * consulem *
    index:i(p(14,15))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:consul
    case:acc
  c_str
    head
      * consulem *
      pos:noun
      lex:consul
      case:acc
      gender:masc
      number:sing
      sem:[hum]
    adjp
      cat:adjp
      * singularem *
      case:acc
      number:sing
      gender:masc
      lex:singularis
      c_str
        singularis

```

Comment : both parses OK, where is the diff? (must be somewhere, eh?)

% 19 adapted from Cicero Pro Murena XXIII.

Nostrae artes admirabilem utilitatem possident quae nobis studia populi Romani conciliat.

[0/nostreae,1/artes,2/admirabilem,3/utilitatem,4/possident,5/quae,6/nobis,7/studia,8/populi,9/romani,10/conciliat,endpos
(11)]

cputime : 15.703125

10.969999999999999--->

```
[illocutionary_force:statement,vg:[selected_reading:possideo_possess,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_68044,w:0,pos:v,class:tr_cod,type:finite,lex:possidere,voice:act,txt:possident,tense:present,kind:std,mood:indi
cative,number:pl,person:3],subject:[number:pl,gender:fem,pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,class:common,sem:[abstract],person:3,type:core,lex:ars,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:artes,lex:ars,case:nom,gender:fem,class:common,ab:mm,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:pl,gender:fem,lex:noster,type:poss,w:1,c_str:noster]]],object:[pathlist:
[p(2,3),p(3,4),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11)],hp:[p(3,4)],distance:
[0.5],cat:np,type:full,class:common,lextype:full,index:i(p(3,4)),number:sing,gender:fem,sem:
[quality],person:_69054,case:acc,lex:utilitas,w:7.47,c_str:[head:[head:[pathlist:
[p(3,4)],pos:noun,txt:utilitatem,lex:utilitas,case:acc,gender:fem,class:common,ab:no,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:acc,number:sing,gender:fem,lex:admirabilis,type:std,w:1,c_str:admirabilis]],rel_clause:[pathlist:
[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11)],distance:[0],gap:[gap:[type:np,index:i(p(3,4)),function:subject,subject:
[ei(p(3,4))],constraints:
[number:sing,gender:fem,person:3,case:nom,index:i(p(3,4))]],index:i(p(3,4)),number:sing,gender:fem,case:nom,person:3,relty
pe:restrictive,type:finite,mood:indicative,tense:present,constraints:
[number:sing,gender:fem,person:3,case:nom,index:i(p(3,4))],w:6.47,c_str:[illocutionary_force:statement,vg:
[selected_reading:concilio_gain,polarity:pos,cat:vg,pathlist:[p(10,11)],hp:
[p(10,11)],gender:_69930,w:0,pos:v,class:tr_cod_coi,type:finite,lex:conciliare,voice:act,txt:conciliat,tense:present,kind:std,moo
d:indicative,number:sing,person:3],subject:[index:i(p(3,4))],object:[pathlist:[p(7,8),p(8,9),p(9,10)],hp:
[p(7,8)],index:i(p(7,8))],distance:[0],sem:
[abstract],number:pl,person:3,cat:np,lex:studium,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1.5,c_str:[head:
[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8))],distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:studium,txt:studia,case:acc,w
:1,c_str:studia],noun_cplt:[pathlist:[p(8,9),p(9,10)],hp:[p(8,9)],index:i(p(8,9))],distance:[0],cat:np,class:common,sem:
[hum],number:sing,person:3,gender:masc,type:core,lex:populus,lextype:full,case:gen,w:2,c_str:[head:[pathlist:
[p(8,9)],pos:noun,txt:populi,lex:populus,case:gen,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(9,10)],distance:[0],hp:
[p(9,10)],case:gen,number:sing,gender:masc,lex:romanus,type:std,w:1,c_str:romanus]]],i_object:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7))],distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1pl,number:pl,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1pl]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:possideo_possess

polarity:pos

cat:vg

* possident *

pos:v

lex:possidere

voice:act

tense:present

mood:indicative

number:pl

person:3

subject

number:pl

gender:fem

* nostrae ** artes *

index:i(p(1,2))

cat:np

sem:[abstract]

person:3

```

lex:ars
case:nom
c_str
  head
    * artes *
    pos:noun
    lex:ars
    case:nom
    gender:fem
    number:pl
    sem:[abstract]
  adjp
    cat:adjp
    * nostrae *
    case:nom
    number:pl
    gender:fem
    lex:noster
    c_str
    noster
object
  * admirabilem ** utilitatem ** quae ** nobis ** studia ** populi ** romani ** conciliat *
  cat:np
  index:i(p(3,4))
  number:sing
  gender:fem
  sem:[quality]
  case:acc
  lex:utilitas
  c_str
    head
      head
        * utilitatem *
        pos:noun
        lex:utilitas
        case:acc
        gender:fem
        number:sing
        sem:[quality]
      adjp
        cat:adjp
        * admirabilem *
        case:acc
        number:sing
        gender:fem
        lex:admirabilis
        c_str
        admirabilis
    rel_clause
      * quae ** nobis ** studia ** populi ** romani ** conciliat *
      index:i(p(3,4))
      number:sing
      gender:fem
      case:nom
      person:3
      reltype:restrictive
      mood:indicative
      tense:present
      c_str
        illocutionary_force:statement
        vg
          selected_reading:concilio_gain
          polarity:pos
          cat:vg

```

```

* conciliat *
pos:v
lex:conciliare
voice:act
tense:present
mood:indicative
number:sing
person:3
subject
  index:i(p(3,4))
object
  * studia * * populi * * romani *
  index:i([p(7,8)])
  sem:[abstract]
  number:pl
  person:3
  cat:np
  lex:studium
  gender:neuter
  case:acc
  c_str
    head
      * studia *
      index:i(p(7,8))
      cat:np
      sem:[abstract]
      number:pl
      person:3
      gender:neuter
      lex:studium
      case:acc
      c_str
        studia
    noun_cplt
      * populi * * romani *
      index:i(p(8,9))
      cat:np
      sem:[hum]
      number:sing
      person:3
      gender:masc
      lex:populus
      case:gen
      c_str
        head
          * populi *
          pos:noun
          lex:populus
          case:gen
          gender:masc
          number:sing
          sem:[hum]
        adjp
          cat:adjp
          * romani *
          case:gen
          number:sing
          gender:masc
          lex:romanus
          c_str
            romanus
  i_object
    * nobis *
    index:i(p(6,7))

```

cat:np
sem:[hum]
lex:pp1pl
number:pl
person:1
gender:or([masc,fem])
case:dat
c_str
pp1pl

Comment : OK

% 20 adapted from Titus Livius Ab Urbe Condita Liber XXI 8.

Quies inter labores renovavit corpora animosque ad omnia de integro patienda.

[0/quies,1/inter,2/labores,3/renouavit,4/corpora,5/que,6/animos,7/ad,8/omnia,9/de,10/integro,11/patienda,endpos(12)]
cputime : 50.42187500000000

8--->

```
[illocutionary_force:statement,vg:[selected_reading:renouo_renew,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_74522,w:0,pos:v,class:tr_cod,type:finite,lex:renouare,voice:act,txt:renouavit,tense:perfect,kind:std,mood:indic
ative,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:[abstract],class:common,lextype:full,person:3,type:full,lex:quies,case:nom,w:4,c_str:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:quies,txt:quies,case:nom,w:1,
c_str:quies],arg:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:acc,prep:inter,sem:
[abstract],lex:labor,w:1,type:core,cat:pp,c_str:[prep:inter,head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:labor,txt:labores,case:acc,w:1,
c_str:labores]]]],object:[pathlist:[p(4,5),p(5,6),p(6,7)],hp:[p(4,5)],index:i([p(4,5),p(6,7)]),distance:[1],sem:
[thing],class:common,lex:corpus,lextype:full,type:core,number:pl,person:3,gender:masc,case:acc,w:2,coord:yes,c_str:[head:
[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:corpus,txt:corpora,case:acc,w:1,
c_str:corpora],coord:que,head:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:animus,txt:animos,case:
acc,w:1,c_str:animos]]],adjunct:[pathlist:[p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:
[0],class:adjunct,value:purpose,type:purpose,w:2,c_str:[prep:ad,head:
[cat:pred,type:gerund,subtype:gerundive,case:acc,mood:gerund,class:m,local_case:acc,number:sing,person:3,gender:neuter,pat
hlist:[p(8,9),p(9,10),p(10,11),p(11,12)],distance:[0],gap:[],w:6.98,c_str:[vg:
[selected_reading:patior_bear,pos:gdiv,txt:patienda,case:acc,gender:neuter,number:pl,lex:pati,class:tr_cod,type:gdiv,kind:dep,
mood:gerund,person:3],object:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[thing,abstract],class:indef,lex:omnis,number:pl,person:3,gender:neuter,type:core,case:acc,w:1,c_str:omnis],adjunct:[pathlist:
[p(9,10),p(10,11)],distance:[0],class:adjunct,value:manner_means,type:manner_means,w:2,c_str:[pathlist:[p(9,10),p(10,11)],txt:
[de,integro],lex:de_integro,w:1,value:manner_means]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:renouo_renew
  polarity:pos
  cat:vg
  * renouavit *
  pos:v
  lex:renouare
  voice:act
  tense:perfect
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:fem
  * quies * inter * labores *
  index:i(p(0,1))
  cat:np
  sem:[abstract]
  person:3
  lex:quies
  case:nom
  c_str
    * quies *
    index:i(p(0,1))
    cat:np
```



```

sem:[abstract]
number:sing
person:3
gender:fem
lex:quies
case:nom
c_str
quies
arg
  * inter * * labores *
  index:i(p(2,3))
  case:acc
  prep:inter
  sem:[abstract]
  lex:labor
  cat:pp
  c_str
    prep:inter
    head
      * labores *
      index:i(p(2,3))
      cat:np
      sem:[abstract]
      number:pl
      person:3
      gender:masc
      lex:labor
      case:acc
      c_str
        labores
object
  * corpora * * que * * animos *
  index:i([p(4,5),p(6,7)])
  sem:[thing]
  lex:corpus
  number:pl
  person:3
  gender:masc
  case:acc
  coord:yes
  c_str
    head
      * corpora *
      index:i(p(4,5))
      cat:np
      sem:[thing]
      number:pl
      person:3
      gender:neuter
      lex:corpus
      case:acc
      c_str
        corpora
    coord:que
    head
      * animos *
      index:i(p(6,7))
      cat:np
      sem:[abstract,thing]
      number:pl
      person:3
      gender:masc
      lex:animus
      case:acc

```

```

      c_str
      animos
adjunct
  * ad * * omnia * * de * * integro * * patienda *
  value:purpose
  c_str
  prep:ad
  head
    cat:pred
    subtype:gerundive
    case:acc
    mood:gerund
    local_case:acc
    number:sing
    person:3
    gender:neuter
    * omnia * * de * * integro * * patienda *
  c_str
  vg
    selected_reading:patior_bear
    pos:gdiv
    case:acc
    gender:neuter
    number:pl
    lex:pati
    mood:gerund
    person:3
  object
    * omnia *
    index:i(p(8,9))
    cat:np
    sem:[thing,abstract]
    lex:omnis
    number:pl
    person:3
    gender:neuter
    case:acc
    c_str
    omnis
  adjunct
    * de * * integro *
    value:manner_means
    c_str
    * de * * integro *
    lex:de_integro
    value:manner_means

```

Comment: parse OK but parsing takes a hell of a long time

% 21 Ovidius Ars Amatoria 1 307.

Crede tamen speculo quod te negat esse iuvencam.

[0/crede,1/speculo,2/quod,3/te,4/negat,5/esse,6/iiuencam,endpos(7)]
cputime : 3.75

Parse A

7--->

```
[clause_semantics:_71506,subordinator:[lex:quod,pos:sub,argbound:no,mood:indicative,value:reason],subordinate_clause:
[quod,[illocutionary_force:statement,vg:[selected_reading:nego_deny_that,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_71722,w:0,pos:v,class:tr_inf,type:finite,lex:negare,voice:act,txt:negat,tense:present,kind:std,mood:indicative,n
umber:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_71914,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:
[p(3,4),p(5,6),p(6,7)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_72278,w:3,flagint:no,c_str:[vg:
[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:or([masc,fem]),w:0,pos:v,class:v_esse,type:nonfinite,lex:esse,voice:act,txt:esse,tense:present,kind:std,mood:infi
nitive,number:sing,person:_72576],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,person:2,type:core,case:acc,w:1,c_str:pp2sg],predicative:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[thing,hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:iiuenca,txt:iiuencam,case:
acc,w:1,c_str:iiuencam]]]],main_clause:[illocutionary_force:statement,vg:
[selected_reading:credo_believe,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_73214,w:0,pos:v,class:tr_inf,type:finite,lex:credere,voice:act,txt:crede,tense:present,kind:std,mood:imperative,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],i_object:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum,thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:speculum,txt:specul
o,case:dat,w:1,c_str:speculo]]]
```

```
subordinator
lex:quod
pos:sub
mood:indicative
value:reason
subordinate_clause
quod
illocutionary_force:statement
vg
selected_reading:nego_deny_that
polarity:pos
cat:vg
* negat *
pos:v
lex:negare
voice:act
tense:present
mood:indicative
number:sing
person:3
subject
source:context_retrievable
number:sing
person:3
cat:np
index:i(0,0)
```

```

    constraints_to_be_met:[sem:[hum]]
    case:nom
object
    cat:pred
    mood:infinitive
    tense:present
    * te * * esse * * iuencam *
    number:sing
    gender:neuter
    case:or([nom,acc])
    person:3
    polarity:pos
    c_str
        vg
            selected_reading:sum_be
            polarity:pos
            cat:vg
            * esse *
            gender:or([masc,fem])
            pos:v
            lex:esse
            voice:act
            tense:present
            mood:infinitive
            number:sing
        subject
            number:sing
            gender:or([masc,fem])
            * te *
            index:i(p(3,4))
            cat:np
            sem:[hum]
            lex:pp2sg
            person:2
            case:acc
            c_str
                pp2sg
            predicative
                * iuencam *
                index:i(p(6,7))
                cat:np
                sem:[thing,hum]
                number:sing
                person:3
                gender:fem
                lex:iuuenca
                case:acc
                c_str
                    iuencam
main_clause
    illocutionary_force:statement
    vg
        selected_reading:credo_believe
        polarity:pos
        cat:vg
        * crede *
        pos:v
        lex:credere
        voice:act
        tense:present
        mood:imperative
        number:sing
        person:2
    subject

```

```
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
i_object
* speculo *
index:i(p(1,2))
cat:np
sem:[hum,thing,loc]
number:sing
person:3
gender:neuter
lex:speculum
case:dat
c_str
speculo
```

Comment : a somewhat surprising reading !

Parse B

7--->

```
[illocutionary_force:statement,vg:[selected_reading:credo_believe,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_64270,w:0,pos:v,class:tr_inf,type:finite,lex:credere,voice:act,txt:crede,tense:present,kind:std,mood:imperative,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masculine,female]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],i_object:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],hp:[p(1,2)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(1,2)),number:sing,gender:neuter,sem:
[hum,thing,loc],person:_64878,case:dat,lex:speculum,w:6,c_str:[head:speculo,rel_clause:[pathlist:
[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],distance:[0],gap:[gap:[type:np,index:i(p(1,2)),function:subject,subject:[e:i(p(1,2))],constraints:
[number:sing,gender:neuter,person:3,case:nom,index:i(p(1,2)),sem:
[hum]]],index:i(p(1,2)),number:sing,gender:neuter,case:acc,person:3,reltype:restrictive,type:finite,mood:indicative,tense:prese
nt,constraints:[number:sing,gender:neuter,person:3,case:nom,index:i(p(1,2)),sem:[hum]],w:5,c_str:
[illocutionary_force:statement,vg:[selected_reading:nego_deny_that,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_65442,w:0,pos:v,class:tr_inf,type:finite,lex:negare,voice:act,txt:negat,tense:present,kind:std,mood:indicative,n
umber:sing,person:3],subject:[index:i(p(1,2))],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:
[p(3,4),p(5,6),p(6,7)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_65830,w:3,flagint:no,c_str:[vg:
[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:or([masculine,female]),w:0,pos:v,class:v_esse,type:nonfinite,lex:esse,voice:act,txt:esse,tense:present,kind:std,mood:infi
nitive,number:sing,person:_66128],subject:[number:sing,gender:or([masculine,female]),pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,person:2,type:core,case:acc,w:1,c_str:pp2sg],predicative:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[thing,hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:iuuenca,txt:iuuenca,case:
acc,w:1,c_str:iuuenca]]]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:credo_believe
  polarity:pos
  cat:vg
  * crede *
  pos:v
  lex:credere
  voice:act
  tense:present
  mood:imperative
  number:sing
  person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masculine,female])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
i_object
  * speculo ** quod ** te ** negat ** esse ** iuuenca *
  cat:np
  index:i(p(1,2))
  number:sing
  gender:neuter
  sem:[hum,thing,loc]
  case:dat
  lex:speculum
  c_str
    head
    speculo
```

```

rel_clause
  * quod * * te * * negat * * esse * * iuuencam *
  index:i(p(1,2))
  number:sing
  gender:neuter
  case:acc
  person:3
  reltype:restrictive
  mood:indicative
  tense:present
  c_str
    illocutionary_force:statement
    vg
      selected_reading:nego_deny_that
      polarity:pos
      cat:vg
      * negat *
      pos:v
      lex:negare
      voice:act
      tense:present
      mood:indicative
      number:sing
      person:3
    subject
      index:i(p(1,2))
    object
      cat:pred
      mood:infinitive
      tense:present
      * te * * esse * * iuuencam *
      number:sing
      gender:neuter
      case:or([nom,acc])
      person:3
      polarity:pos
      c_str
        vg
          selected_reading:sum_be
          polarity:pos
          cat:vg
          * esse *
          gender:or([masc,fem])
          pos:v
          lex:esse
          voice:act
          tense:present
          mood:infinitive
          number:sing
        subject
          number:sing
          gender:or([masc,fem])
          * te *
          index:i(p(3,4))
          cat:np
          sem:[hum]
          lex:pp2sg
          person:2
          case:acc
          c_str
            pp2sg
          predicative
            * iuuencam *
            index:i(p(6,7))

```

cat:np
sem:[thing,hum]
number:sing
person:3
gender:fem
lex:iuuenca
case:acc
c_str
iuuencam

Comment : parse OK ; this second reading is the one the reader assigns without paying attention to other possible readings ;
we act as powerful disambiguators the whole time

[illocuti

[illegible]

vg

polarity:pos

cat:vg

* usurpai *

pos:v

lex:us

voice:act

tense:perfect

mood:indicative

number:sing

person:1

subject

Source

number:sing

```
gender:or([m
```

person:1

cat:np

index:i(0,0)

constraints to be met:[sem:[hum]]

case:nom

object

cat:np

index:i

number:sing

gender:neute

```

sem:[abstract]
case:acc
lex:uerbum
c_str
  head
    head
      * uerbum *
      pos:noun
      lex:uerbum
      case:acc
      gender:neuter
      number:sing
      sem:[abstract]
    adjp
      cat:adjp
      * graecum *
      case:acc
      number:sing
      gender:neuter
      lex:graecus
      c_str
        graecus
  rel_clause
    * quo ** in ** sedandis ** discordiis ** utitur ** ciuitas ** illa *
    index:i(p(1,2))
    number:sing
    gender:or([masc,neuter])
    case:abl
    person:3
    reltype:restrictive
    mood:indicative
    tense:present
    c_str
      illocutionary_force:statement
      vg
        selected_reading:utor_use
        polarity:pos
        cat:vg
        * utitur *
        pos:v
        lex:uti
        voice:act
        tense:present
        mood:indicative
        number:sing
        person:3
      subject
        number:sing
        gender:fem
        * ciuitas ** illa *
        index:i(p(8,9))
        cat:np
        sem:[hum,loc]
        person:3
        lex:ciuitas
        case:nom
        c_str
          head
            * ciuitas *
            pos:noun
            lex:ciuitas
            case:nom
            gender:fem
            number:sing

```

```

      sem:[hum,loc]
    adjp
      cat:adjp
      * illa *
      case:nom
      number:sing
      gender:fem
      lex:ille
      c_str
      ille
  object_i
    ei(p(1,2))
  prep_phrase_adjunct_3
    * in ** sedandis ** discordiis *
    index:i(p(6,7))
    case:abl
    prep:in
    sem:[quality]
    lex:discordia
    cat:pp
    c_str
      prep:in
      head
        * sedandis ** discordiis *
        index:i(p(6,7))
        cat:np
        sem:[quality]
        number:pl
        person:3
        gender:fem
        lex:discordia
        case:abl
        c_str
          head
            * discordiis *
            pos:noun
            lex:discordia
            case:abl
            gender:fem
            number:pl
            sem:[quality]
          adjp
            cat:adjp
            * sedandis *
            case:abl
            number:pl
            gender:fem
            lex:sedandis
            c_str
            sedandis

```

Comment : 'sedandis discordiis' is left unanalyzed

Agitasse Laco ignaro Galba de occidendo Vinio dicitur.

[0/agitauisse,1/laco,2/ignaro,3/galba,4/de,5/occidendo,6/uinio,7/dicitur,endpos(8)]

cputime : 28.296875

16.97--->

[vg:[polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_86762,w:0,pos:v,class:tr_inf,type:finite,lex:dicere,voice:pass,txt:dicitur,tense:present,kind:std,mood:indicative
,number:sing,person:3],pred:[subject:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[male],class:proper,lex:laco,lextype:full,number:sing,person:3,gender:masc,type:core,case:nom,w:1,c_str:laco],pred:[vg:
[selected_reading:agito_deliberate,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_87288,w:0,pos:v,class:intr,type:nonfinite,lex:agitare,voice:act,txt:agitare,tense:past,kind:std,mood:infinitive,nu
mber:_87420,person:_87432],prep_cplt:[pathlist:[p(4,5),p(5,6),p(6,7)],hp:[p(4,5)],distance:
[0],index:_87546,case:abl,prep:de,sem:_87582,lex:de,w:14,type:gerund,cat:pp,c_str:[prep:de,head:
[cat:pred,type:gerund,subtype:gerundive,case:abl,mood:gerund,class:m,local_case:abl,number:sing,person:3,gender:neuter,pat
hlist:[p(5,6),p(6,7)],distance:[0],gap:[],w:4,c_str:[vg:
[selected_reading:occido_kill,pos:gdiv,txt:occidendo,case:abl,gender:masc,number:sing,lex:occidere,class:tr_cod,type:gdiv,kin
d:std,mood:gerund,person:3],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[male],class:proper,lex:uinius,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:uinius]]]],ablative_a
bsolute:[pathlist:[p(3,4),p(2,3)],distance:[0],w:0,c_str:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[male],class:proper,lex:galba,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:galba],
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:abl,number:sing,gender:masc,lex:ignarus,type:std,w:1,c_str:ignarus]]]]]]

vg

polarity:pos
cat:vg
* dicitur *
pos:v
lex:dicere
voice:pass
tense:present
mood:indicative
number:sing
person:3

pred

subject
* laco *
index:i(p(1,2))
cat:np
sem:[male]
lex:laco
number:sing
person:3
gender:masc
case:nom
c_str
laco

pred

vg

selected_reading:agito_deliberate
polarity:pos
cat:vg
* agitauisse *
pos:v
lex:agitare
voice:act
tense:past
mood:infinitive

prep_cplt

* de ** occidendo ** uinio *
case:abl
prep:de

```

lex:de
cat:pp
c_str
  prep:de
  head
    cat:pred
    subtype:gerundive
    case:abl
    mood:gerund
    local_case:abl
    number:sing
    person:3
    gender:neuter
    * occidendo * * uinio *
  c_str
    vg
      selected_reading:occido_kill
      pos:gdiv
      case:abl
      gender:masc
      number:sing
      lex:occidere
      mood:gerund
      person:3
    object
      * uinio *
      index:i(p(6,7))
      cat:np
      sem:[male]
      lex:uinius
      number:sing
      person:3
      gender:masc
      case:abl
      c_str
        uinius
ablative_absolute
  * galba * * ignaro *
  c_str
    * galba *
    index:i(p(3,4))
    cat:np
    sem:[male]
    lex:galba
    number:sing
    person:3
    gender:masc
    case:abl
    c_str
      galba
      cat:adjp
      * ignaro *
      case:abl
      number:sing
      gender:masc
      lex:ignarus
      c_str
        ignarus

```

Comment : OK

Memoriam quoque ipsam cum voce perdidissemus si tam in nostra potestate esset obliuisci quam tacere.

[0/memoriam,1/ipsam,2/cum,3/uoce,4/perdidissemus,5/si,6/in,7/nostra,8/potestate,9/esset,10/obliuisci,11/tam_quam,12/tacere,endpos(13)]
cputime : 248.8906249999994

6.98--->

[clause_semantics:irrealis_past,subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(9,10)],hp:
[p(9,10)],gender:_97986,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:esset,tense:imperfect,kind:std,mood:subjunctiv
e,number:sing,person:3],subject:
[number:sing,gender:_98166,cat:pred,type:nonfinite_i,mood:infinitive,tense:_98214,class:m,pathlist:
[p(10,11),p(11,12),p(12,13)],distance:[0],person:3,case:or([nom,acc]),gap:[],w:0,c_str:[head:[vg:
[selected_reading:obliuiscor_forget,polarity:pos,cat:vg,pathlist:[p(10,11)],hp:
[p(10,11)],gender:_98482,w:0,pos:v,class:tr_cod,type:nonfinite,lex:obliuisci,voice:act,txt:obliuisci,tense:present,kind:dep,moo
d:infinitive,number:_98614,person:_98626]],coord:tam_quam,head:[vg:
[selected_reading:taceo_keep_silent,polarity:pos,cat:vg,pathlist:[p(12,13)],hp:
[p(12,13)],gender:_98752,w:0,pos:v,class:intr,type:nonfinite,lex:tacere,voice:act,txt:tacere,tense:present,kind:std,mood:infiniti
ve,number:_98884,person:_98896]]]],predicative:[pathlist:[p(6,7),p(7,8),p(8,9)],hp:[p(8,9)],distance:
[0],index:i(p(8,9)),case:abl,prep:in,sem:[quality],lex:potestas,w:-1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:
[p(7,8),p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,class:common,sem:
[quality],number:sing,person:3,gender:fem,type:core,lex:potestas,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(8,9)],pos:noun,txt:potestate,lex:potestas,case:abl,gender:fem,class:common,ab:mm,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(7,8)],distance:[0],hp:
[p(7,8)],case:abl,number:sing,gender:fem,lex:noster,type:poss,w:1,c_str:noster]]]]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:perdo_ruin_or_lose,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_99806,w:0,pos:v,class:tr_cod,type:finite,lex:perdere,voice:act,txt:perdidissemus,tense:pluperfect,kind:std,moo
d:subjunctive,number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,class:common,sem:
[quality],number:sing,person:3,gender:fem,type:core,lex:memoria,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(0,1)],pos:noun,txt:memoriam,lex:memoria,case:acc,gender:fem,class:common,ab:mm,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:sing,gender:fem,lex:ipse,type:tool,w:1,c_str:ipse]]],prep_phrase_adjunct_1:[pathlist:
[p(2,3),p(3,4)],hp:[p(3,4)],distance:[0],index:i(p(3,4)),case:abl,prep:cum,sem:[abstract],lex:uox,w:1,type:core,cat:pp,c_str:
[prep:cum,head:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:uox,txt:uoce,case:abl,w:1,c_s
tr:uoce]]]]]

clause_semantics:irrealis_past
subordinator
lex:si
pos:sub
mood:subjunctive
subordinate_clause
si
illocutionary_force:statement
vg
selected_reading:sum_be
polarity:pos
cat:vg
* esset *
pos:v
lex:esse
voice:act
tense:imperfect
mood:subjunctive
number:sing
person:3
subject
number:sing

```

cat:pred
mood:infinitive
* obliuisci * * tam_quam * * tacere *
person:3
case:or([nom,acc])
c_str
  head
    vg
      selected_reading:obliuiscor_forget
      polarity:pos
      cat:vg
      * obliuisci *
      pos:v
      lex:obliuisci
      voice:act
      tense:present
      mood:infinitive
    coord:tam_quam
  head
    vg
      selected_reading:taceo_keep_silent
      polarity:pos
      cat:vg
      * tacere *
      pos:v
      lex:tacere
      voice:act
      tense:present
      mood:infinitive
predicative
* in * * nostra * * potestate *
index:i(p(8,9))
case:abl
prep:in
sem:[quality]
lex:potestas
cat:pp
c_str
  prep:in
  head
    * nostra * * potestate *
    index:i(p(8,9))
    cat:np
    sem:[quality]
    number:sing
    person:3
    gender:fem
    lex:potestas
    case:abl
  c_str
    head
      * potestate *
      pos:noun
      lex:potestas
      case:abl
      gender:fem
      number:sing
      sem:[quality]
    adjp
      cat:adjp
      * nostra *
      case:abl
      number:sing
      gender:fem

```

```

lex:noster
c_str
noster
main_clause
illocutionary_force:statement
vg
  selected_reading:perdo_ruin_or_lose
  polarity:pos
  cat:vg
  * perdidissemus *
  pos:v
  lex:perdere
  voice:act
  tense:pluperfect
  mood:subjunctive
  number:pl
  person:1
subject
  source:context_retrievable
  number:pl
  gender:or([masc,fem])
  person:1
  cat:np
  index:i(0,0)
  case:nom
object
  * memoriam * * ipsam *
  index:i(p(0,1))
  cat:np
  sem:[quality]
  number:sing
  person:3
  gender:fem
  lex:memoria
  case:acc
  c_str
  head
    * memoriam *
    pos:noun
    lex:memoria
    case:acc
    gender:fem
    number:sing
    sem:[quality]
  adjp
    cat:adjp
    * ipsam *
    case:acc
    number:sing
    gender:fem
    lex:ipse
    c_str
    ipse
prep_phrase_adjunct_1
  * cum * * uoce *
  index:i(p(3,4))
  case:abl
  prep:cum
  sem:[abstract]
  lex:uox
  cat:pp
  c_str
  prep:cum
  head

```



```
* uoce *  
index:i(p(3,4))  
cat:np  
sem:[abstract]  
number:sing  
person:3  
gender:fem  
lex:uox  
case:abl  
c_str  
uoce
```

Comment : OK, but awfully slow...

% 25 Cicero De Amicitia 10 1.

Suis autem incommodis graviter angi non amicum sed se ipsum amantis est.

[0/suis,1/incommodis,2/grauiter,3/angi,4/non,5/amicum,6/sed,7/se,8/ipsum,9/amantis,10/est,endpos(11)]
cputime : 114.03125

12.99--->

[illocutionary_force:statement,vg:[selected_reading:est_alicuius_be_the_mark_of_IDIOM,polarity:pos,cat:vg,pathlist:
[p(10,11)],hp:
[p(10,11)],gender:_98134,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:est,tense:present,kind:std,mood:indicative,number:sing,person:3],subject:
[number:sing,gender:_98314,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(0,1),p(1,2),p(2,3),p(3,4)],distance:
[0],person:3,case:or([nom,acc]),sem:_98504,polarity:pos,gap:_98528,w:4.99,flagint:no,c_str:[vg:
[selected_reading:ango_torment,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_98672,w:0,pos:v,class:tr_cod,type:nonfinite,lex:angere,voice:pass,txt:angi,tense:present,kind:std,mood:infinitive,number:_98804,person:_98816],agent:[pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:neuter,type:core,lex:incommodum,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:incommodis,lex:incommodum,case:abl,gender:neuter,class:common,ab:mm,number:pl,sem:
[abstract]],adjp:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:abl,number:pl,gender:neuter,lex:suus,type:poss,w:1,c_str:suus]]],adverbial_adjunct:[cat:advp,pathlist:
[p(2,3)],distance:[0],type:vpbound,lex:grauiter,sem:eval,w:1,c_str:[head:grauiter]]],arg:[pathlist:
[p(4,5),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:[0],cat:np,class:pc2np,sem:
[hum],number:sing,person:_99736,gender:masc,type:clausal,lex:amo_love,lextype:full,case:gen,w:5,c_str:
[present_participle,amo_love,[object:[pathlist:[p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],hp:
[p(5,6),p(7,8)],index:i([p(5,6),p(7,8)]),distance:[0],sem:
[hum],class:common,lex:amicus,lextype:full,type:full,number:sing,person:3,gender:_100064,case:acc,w:4,coord:yes,c_str:[neg:
[lex:non,pos:neg,type:decl],head:amicum,coord:[lex:sed,pos:coord],head:pp3refl]]]]]]]

illocutionary_force:statement

vg

selected_reading:est_alicuius_be_the_mark_of_IDIOM

polarity:pos

cat:vg

* est *

pos:v

lex:esse

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

cat:pred

mood:infinitive

tense:present

* suis * incommodis * grauiter * angi *

person:3

case:or([nom,acc])

polarity:pos

c_str

vg

selected_reading:ango_torment

polarity:pos

cat:vg

* angi *

pos:v

lex:angere

voice:pass

tense:present

mood:infinitive

agent
* suis * * incommotis *
index:i(p(1,2))
cat:np
sem:[abstract]
number:pl
person:3
gender:neuter
lex:incommodum
case:abl
c_str

head
* incommotis *
pos:noun
lex:incommodum
case:abl
gender:neuter
number:pl
sem:[abstract]

adjp
cat:adjp
* suis *
case:abl
number:pl
gender:neuter
lex:suus
c_str
suus

adverbial_adjunct
cat:advp
* grauter *
lex:grauter
sem:eval
c_str
head
grauter

arg
* non * * amicum * * sed * * se * * ipsum * * amantis *
index:i(p(9,10))
cat:np
sem:[hum]
number:sing
gender:masc
lex:amo_love
case:gen
c_str

present_participle
amo_love
object
* non * * amicum * * sed * * se * * ipsum *
index:i([p(5,6),p(7,8)])
sem:[hum]
lex:amicus
number:sing
person:3
case:acc
coord:yes
c_str
neg
lex:non
pos:neg
head
amicum
coord:[lex:sed,pos:coord]

head
pp3refl

Comment : OK (I must admit the sentence baffled me at first, so much for my first-class knowledge of Latin!)

Omnibus regibus quibuscum populus Romanus bellum gessit hunc regem nimirum antepones.

[0/omnibus,1/regibus,2/cum_p,3/quibus,4/populus,5/romanus,6/bellum,7/gessit,8/hunc,9/regem,10/antepones,endpos(11)]

cputime : 24.375

13.98--->

[illocutionary_force:statement,vg:[selected_reading:antepono_prefer,polarity:pos,cat:vg,pathlist:[p(10,11)],hp:
[p(10,11)],gender:_91984,w:0,pos:v,class:tr_cod,type:finite,lex:anteponere,voice:act,txt:antepones,tense:future,kind:std,mood:
indicative,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(8,9),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:
[0],cat:np,class:common,sem:[hum],number:sing,person:3,gender:masc,type:core,lex:rex,lextype:full,case:acc,w:2,c_str:[head:
[pathlist:[p(9,10)],pos:noun,txt:regem,lex:rex,case:acc,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:[p(8,9)],case:acc,number:sing,gender:masc,lex:hic,type:tool,w:1,c_str:hic]],object_i:
[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],hp:[p(1,2)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(1,2)),number:pl,gender:masc,sem:
[hum],person:_93178,case:dat,lex:rex,w:9,c_str:[head:[head:[pathlist:
[p(1,2)],pos:noun,txt:regibus,lex:rex,case:dat,gender:masc,class:common,ab:no,number:pl,sem:[hum]],adjp:[cat:adjp,pathlist:
[p(0,1)],distance:[0],hp:
[p(0,1)],case:dat,number:pl,gender:or([masc,fem,neuter]),lex:omnis,type:tool,w:1,c_str:omnis]],rel_clause:[pathlist:
[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:[0],gap:[gap:[type:pp,index:i(p(1,2)),function:prep_cplt,prep_cplt:
[e:i(p(1,2))],constraints:
[prep:cum,case:abl]],index:i(p(1,2)),number:pl,gender:or([masc,fem,neuter]),person:3,case:abl,reltype:restrictive,type:finite,m
ood:indicative,tense:perfect,constraints:[case:abl],w:8,c_str:[illocutionary_force:statement,vg:
[selected_reading:bellum_gero_make_war_IDIOM,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_94050,w:0,pos:v,class:tr_cod,type:finite,lex:gerere,voice:act,txt:gessit,tense:perfect,kind:std,mood:indicative,n
umber:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(4,5),p(5,6)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,class:common,sem:[hum],person:3,type:core,lex:populus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:populus,lex:populus,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:nom,number:sing,gender:masc,lex:romanus,type:std,w:1,c_str:romanus]]],object:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:bellum,txt:bellum,case:acc,w:
1,c_str:bellum],prep_cplt:[e:i(p(1,2))]]]]]]]

illocutionary_force:statement

vg

selected_reading:antepono_prefer

polarity:pos

cat:vg

* antepones *

pos:v

lex:anteponere

voice:act

tense:future

mood:indicative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* hunc * * regem *

index:i(p(9,10))

cat:np

```

sem:[hum]
number:sing
person:3
gender:masc
lex:rex
case:acc
c_str
  head
    * regem *
    pos:noun
    lex:rex
    case:acc
    gender:masc
    number:sing
    sem:[hum]
  adjp
    cat:adjp
    * hunc *
    case:acc
    number:sing
    gender:masc
    lex:hic
    c_str
      hic
object_i
  * omnibus ** regibus ** cum_p ** quibus ** populus ** romanus ** bellum ** gessit *
  cat:np
  index:i(p(1,2))
  number:pl
  gender:masc
  sem:[hum]
  case:dat
  lex:rex
  c_str
    head
      head
        * regibus *
        pos:noun
        lex:rex
        case:dat
        gender:masc
        number:pl
        sem:[hum]
      adjp
        cat:adjp
        * omnibus *
        case:dat
        number:pl
        gender:or([masc,fem,neuter])
        lex:omnis
        c_str
          omnis
    rel_clause
      * cum_p ** quibus ** populus ** romanus ** bellum ** gessit *
      index:i(p(1,2))
      number:pl
      gender:or([masc,fem,neuter])
      person:3
      case:abl
      reltype:restrictive
      mood:indicative
      tense:perfect
      c_str
        illocutionary_force:statement

```

```

vg
  selected_reading:bellum_gero_make_war_IDIOM
  polarity:pos
  cat:vg
  * gessit *
  pos:v
  lex:gerere
  voice:act
  tense:perfect
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * populus * * romanus *
  index:i(p(4,5))
  cat:np
  sem:[hum]
  person:3
  lex:populus
  case:nom
  c_str
    head
      * populus *
      pos:noun
      lex:populus
      case:nom
      gender:masc
      number:sing
      sem:[hum]
    adjp
      cat:adjp
      * romanus *
      case:nom
      number:sing
      gender:masc
      lex:romanus
      c_str
        romanus
object
  * bellum *
  index:i(p(6,7))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:neuter
  lex:bellum
  case:acc
  c_str
    bellum
prep_cplt
  e:i(p(1,2))

```

Comment : OK. Note that the cum_p is generated by ALP itself.

Totam opinionem parva nonnumquam commutat aura rumoris.

[0/totam,1/opinionem,2/parua,3/nonnumquam,4/commutat,5/aura,6/rumoris,endpos(7)]

cputime : 0.75

1.98--->

[illocutionary_force:statement,vg:[selected_reading:commuto_change_into,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_86652,w:0,pos:v,class:tr_cod,type:finite,lex:commutare,voice:act,txt:commutat,tense:present,kind:std,mood:i
ndicative,number:sing,gender:fem,cat:np,lex:aura,lextype:full,type:full,case:nom,class:common,w:1,c_str:[head:[pathlist:[p(2,3),p(5,6)],hp:
[p(5,6)],index:i([p(5,6)]),distance:[2],sem:
[thing,loc],person:3,cat:np,lex:aura,lextype:full,type:full,case:nom,class:common,w:1,c_str:[head:[pathlist:[p(2,3),p(5,6)],hp:
[p(5,6)],index:i(p(5,6)),distance:[2],cat:np,class:common,sem:
[thing,loc],number:sing,gender:fem,type:core,lex:aura,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(5,6)],pos:noun,txt:aura,lex:aura,case:nom,gender:fem,class:common,ab:no,number:sing,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:nom,number:sing,gender:fem,lex:paruus,type:std,w:1,c_str:paruus]]],noun_cplt:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:noun,number:sing,gender:masc,type:core,lex:rumor,txt:rumoris,cas
e:gen,w:1,c_str:rumoris]]],object:[pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:common,sem:
[quality],number:sing,gender:fem,type:core,lex:opinio,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:opinionem,lex:opinio,case:acc,gender:fem,class:common,ab:mm,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:sing,gender:fem,lex:totus,type:std,w:1,c_str:totus]]],adverbial_adjunct:[cat:advp,pathlist:
[p(3,4)],distance:[0],type:vpbound,lex:nonnumquam,sem:time,w:1,c_str:[head:nonnumquam]]]

illocutionary_force:statement

vg

selected_reading:commuto_change_into

polarity:pos

cat:vg

* commutat *

pos:v

lex:commutare

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* parua * * aura * * rumoris *

index:i([p(5,6)])

sem:[thing,loc]

person:3

cat:np

lex:aura

case:nom

c_str

head

* parua * * aura *

index:i(p(5,6))

cat:np

sem:[thing,loc]

number:sing

person:3

gender:fem

lex:aura

case:nom

c_str

head

* aura *

pos:noun


```

lex:aura
case:nom
gender:fem
number:sing
sem:[thing,loc]
adjp
  cat:adjp
  * parua *
  case:nom
  number:sing
  gender:fem
  lex:paruus
  c_str
  paruus
noun_cplt
  * rumoris *
  index:i(p(6,7))
  cat:np
  sem:[abstract,thing]
  number:sing
  person:3
  gender:masc
  lex:rumor
  case:gen
  c_str
  rumoris
object
  * totam * * opinionem *
  index:i(p(1,2))
  cat:np
  sem:[quality]
  number:sing
  person:3
  gender:fem
  lex:opinio
  case:acc
  c_str
  head
    * opinionem *
    pos:noun
    lex:opinio
    case:acc
    gender:fem
    number:sing
    sem:[quality]
  adjp
    cat:adjp
    * totam *
    case:acc
    number:sing
    gender:fem
    lex:totus
    c_str
    totus
adverbial_adjunct
  cat:advp
  * nonnumquam *
  lex:nonnumquam
  sem:time
  c_str
  head
  nonnumquam

```

Comment : OK

% 28 Catullus XIII 13-14.

Quod tu cum olfacies, deos rogabis totum ut te faciant nasum.

[0/quod,1/tu,2/cum,3/olfacies,4/(',),5/deos,6/rogabis,7/totum,8/ut,9/te,10/faciant,11/nasum,endpos(12)]

cputime : 36.171875

15.98--->

```
clause_semantics:modality_free_time_clause,subordinator:
lex:cum,pos:sub,argbound:no,mood:indicative],subordinate_clause:[cum,[illocutionary_force:statement,vg:
[selected_reading:olfacio_smell,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_100746,w:0,pos:v,class:tr_cod,type:finite,lex:olfacere,voice:act,txt:olfacies,tense:future,kind:std,mood:indicati
ve,number:sing,person:2],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,sem:[hum],class:proper,lex:pp2sg,person:2,type:core,case:nom,w:1,c_str:pp2sg],object:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:_101268,class:proper,lex:relatif_de_liaison,number:sing,person:3,gender:neuter,type:core,w:1,case:acc,c_str:lin
king_relative]]],main_clause:[illocutionary_force:statement,vg:[selected_reading:rogo_ask,polarity:pos,cat:vg,pathlist:
[p(6,7)],hp:
[p(6,7)],gender:_101508,w:0,pos:v,class:tr_cod,type:finite,lex:rogare,voice:act,txt:rogabis,tense:future,kind:std,mood:indicativ
e,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:
[p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:[0],gap:
[],class:m,number:_102004,person:_102016,gender:_102028,case:_102040,mood:subjunctive,tense:present,w:1,subordinator
:ut,argbound:yes,c_str:[ut,[illocutionary_force:statement,vg:[selected_reading:facio_make,polarity:pos,cat:vg,pathlist:
[p(10,11)],hp:
[p(10,11)],gender:_102238,w:0,pos:v,class:tr_cod,type:finite,lex:facere,voice:act,txt:faciant,tense:present,kind:std,mood:subju
nctive,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_102430,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(7,8),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:
[0],cat:np,sem:[hum],class:proper,lex:pp2sg,number:sing,person:2,gender:masc,type:core,case:acc,w:1,c_str:[head:
[pos:prpers,txt:te,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),case:acc,sem:[hum]],adjp:[cat:adjp,pathlist:
[p(7,8)],distance:[0],hp:[p(7,8)],case:acc,number:sing,gender:masc,lex:totus,type:std,w:1,c_str:totus]]],object_cplt:[pathlist:
[p(11,12)],hp:[p(11,12)],index:i(p(11,12)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:nasus,txt:nasum,case:acc,w:1,c
_str:nasum]]],i_object:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:deus,txt:deos,case:acc,w:1,c_str:d
eos]]]
```

```
clause_semantics:modality_free_time_clause
subordinator
lex:cum
pos:sub
mood:indicative
subordinate_clause
cum
illocutionary_force:statement
vg
selected_reading:olfacio_smell
polarity:pos
cat:vg
* olfacies *
pos:v
lex:olfacere
voice:act
tense:future
mood:indicative
number:sing
person:2
subject
number:sing
gender:or([masc,fem])
```

```

    * tu *
    index:i(p(1,2))
    cat:np
    sem:[hum]
    lex:pp2sg
    person:2
    case:nom
    c_str
    pp2sg
object
    * quod *
    index:i(p(0,1))
    cat:np
    lex:relatif_de_liaison
    number:sing
    person:3
    gender:neuter
    case:acc
    c_str
    linking_relative
main_clause
    illocutionary_force:statement
vg
    selected_reading:rogo_ask
    polarity:pos
    cat:vg
    * rogabis *
    pos:v
    lex:rogare
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:2
subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
object
    cat:pred
    * totum ** ut ** te ** faciant ** nasum *
    mood:subjunctive
    tense:present
    subordinator
    ut
    c_str
    ut
        illocutionary_force:statement
vg
    selected_reading:facio_make
    polarity:pos
    cat:vg
    * faciant *
    pos:v
    lex:facere
    voice:act
    tense:present
    mood:subjunctive
    number:pl

```

```

    person:3
  subject
    source:context_retrievable
    number:pl
    person:3
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
  object
    * totum * * te *
    index:i(p(9,10))
    cat:np
    sem:[hum]
    lex:pp2sg
    number:sing
    person:2
    gender:masc
    case:acc
    c_str
      head
        pos:prpers
        lex:pp2sg
        number:sing
        person:2
        gender:or([masc,fem])
        case:acc
        sem:[hum]
      adjp
        cat:adjp
        * totum *
        case:acc
        number:sing
        gender:masc
        lex:totus
        c_str
          totus
    object_cplt
      * nasum *
      index:i(p(11,12))
      cat:np
      sem:[thing]
      number:sing
      person:3
      gender:masc
      lex:nasus
      case:acc
      c_str
        nasum
  i_object
    * deos *
    index:i(p(5,6))
    cat:np
    sem:[hum]
    number:pl
    person:3
    gender:masc
    lex:deus
    case:acc
    c_str
      deos

```

Comment : OK ; totum nasum instead of totum te ? Both interpretations OK.

% 29 Cicero Pro Murena XXXIV 85.

Versabitur in rostris furor, in curia timor, in foro coniuratio, in Campo exercitus, in agris vastitas.

[0/uersabitur,1/in,2/rostris,3/furor,4/('),5/in,6/curia,7/timor,8/('),9/in,10/foro,11/coniuratio,12/('),13/in,14/campo,15/exercitus,16/('),17/in,18/agris,19/uastitas,endpos(20)]

cputime : 84.04687500000011

Parse A

15--->

[illocutionary_force:statement,vg:[selected_reading:uersor_dwell,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_104256,w:0,pos:v,class:intr,type:finite,lex:uersari,voice:act,txt:uersabitur,tense:future,kind:dep,mood:indicativ
e,number:sing,person:3],arglist:[arglist:[arglist:[subject:[number:sing,gender:masc,pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:furor,txt:furor,case:nom,w:1,c_str:furor],prep_cplt:
[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:abl,prep:in,sem:
[thing,loc],lex:rostra,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:rostra,txt:rostris,case:abl,w:
1,c_str:rostris]]],linker:comma,arglist:[subject:[number:sing,gender:masc,pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:
[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:timor,txt:timor,case:nom,w:1,c_str:timor],prep_cplt:
[pathlist:[p(5,6),p(6,7)],hp:[p(6,7)],distance:[0],index:i(p(6,7)),case:abl,prep:in,sem:
[thing,loc],lex:curia,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:curia,txt:curia,case:abl,w:1,c
_str:curia]]],linker:comma,arglist:[subject:[number:sing,gender:fem,pathlist:[p(11,12)],hp:
[p(11,12)],index:i(p(11,12)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:coniuratio,txt:coniuratio,case:nom,w:1,c_str:coniurati
o],prep_cplt:[pathlist:[p(9,10),p(10,11)],hp:[p(10,11)],distance:[0],index:i(p(10,11)),case:abl,prep:in,sem:
[thing,loc],lex:forum,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(10,11)],hp:[p(10,11)],index:i(p(10,11)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:forum,txt:foro,case:abl,w:
1,c_str:foro]]],linker:comma,arglist:[subject:[number:sing,gender:masc,pathlist:[p(15,16)],hp:
[p(15,16)],index:i(p(15,16)),distance:[0],cat:np,sem:
[thing,hum,loc],class:common,lextype:full,origin:noun,person:3,type:core,lex:exercitus,txt:exercitus,case:nom,w:1,c_str:exerci
tus],prep_cplt:[pathlist:[p(13,14),p(14,15)],hp:[p(14,15)],distance:[0],index:i(p(14,15)),case:abl,prep:in,sem:
[thing,loc],lex:campus,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(14,15)],hp:[p(14,15)],index:i(p(14,15)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:campus,txt:campo,case:abl,
w:1,c_str:campo]]],linker:comma,arglist:[subject:[number:sing,gender:fem,pathlist:[p(19,20)],hp:
[p(19,20)],index:i(p(19,20)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,person:3,type:core,lex:uastitas,txt:uastitas,case:nom,w:1,c_str:uastitas],prep_c
plt:[pathlist:[p(17,18),p(18,19)],hp:[p(18,19)],distance:[0],index:i(p(18,19)),case:abl,prep:in,sem:
[thing,loc],lex:ager,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(18,19)],hp:[p(18,19)],index:i(p(18,19)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:ager,txt:agris,case:abl,w:1,c_s
tr:agris]]]]]

illocutionary_force:statement

vg

selected_reading:uersor_dwell

polarity:pos

cat:vg

* uersabitur *

pos:v

lex:uersari

voice:act

tense:future

mood:indicative

```

    number:sing
    person:3
arglist
  arglist
    arglist
      subject
        number:sing
        gender:masc
        * furor *
        index:i(p(3,4))
        cat:np
        sem:[abstract]
        person:3
        lex:furor
        case:nom
        c_str
        furor
      prep_cplt
        * in * * rostris *
        index:i(p(2,3))
        case:abl
        prep:in
        sem:[thing,loc]
        lex:rostra
        cat:pp
        c_str
        prep:in
        head
          * rostris *
          index:i(p(2,3))
          cat:np
          sem:[thing,loc]
          number:pl
          person:3
          gender:neuter
          lex:rostra
          case:abl
          c_str
          rostris
    linker
    comma
  arglist
    subject
      number:sing
      gender:masc
      * timor *
      index:i(p(7,8))
      cat:np
      sem:[abstract]
      person:3
      lex:timor
      case:nom
      c_str
      timor
    prep_cplt
      * in * * curia *
      index:i(p(6,7))
      case:abl
      prep:in
      sem:[thing,loc]
      lex:curia
      cat:pp
      c_str

```

prep:in
head
* curia *
index:i(p(6,7))
cat:np
sem:[thing,loc]
number:sing
person:3
gender:fem
lex:curia
case:abl
c_str
curia

linker

comma

arglist

subject

number:sing
gender:fem
* coniuratio *
index:i(p(11,12))
cat:np
sem:[abstract]
person:3
lex:coniuratio
case:nom
c_str
coniuratio

prep_cplt

* in * * foro *
index:i(p(10,11))
case:abl
prep:in
sem:[thing,loc]
lex:forum
cat:pp
c_str
prep:in
head
* foro *
index:i(p(10,11))
cat:np
sem:[thing,loc]
number:sing
person:3
gender:neuter
lex:forum
case:abl
c_str
foro

linker

comma

arglist

subject

number:sing
gender:masc
* exercitus *
index:i(p(15,16))
cat:np
sem:[thing,hum,loc]
person:3
lex:exercitus
case:nom
c_str

```

    exercitus
  prep_cplt
    * in * * campo *
    index:i(p(14,15))
    case:abl
    prep:in
    sem:[thing,loc]
    lex:campus
    cat:pp
    c_str
      prep:in
      head
        * campo *
        index:i(p(14,15))
        cat:np
        sem:[thing,loc]
        number:sing
        person:3
        gender:masc
        lex:campus
        case:abl
        c_str
          campo
linker
comma
arglist
  subject
    number:sing
    gender:fem
    * uastitas *
    index:i(p(19,20))
    cat:np
    sem:[quality]
    person:3
    lex:uastitas
    case:nom
    c_str
      uastitas
  prep_cplt
    * in * * agris *
    index:i(p(18,19))
    case:abl
    prep:in
    sem:[thing,loc]
    lex:ager
    cat:pp
    c_str
      prep:in
      head
        * agris *
        index:i(p(18,19))
        cat:np
        sem:[thing,loc]
        number:pl
        person:3
        gender:masc
        lex:ager
        case:abl
        c_str
          agris

```


Parse B

15--->

```
[illocutionary_force:statement,vg:[selected_reading:uersor_dwell,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_108448,w:0,pos:v,class:intr,type:finite,lex:uersari,voice:act,txt:uersabitur,tense:future,kind:dep,mood:indicativ
e,number:sing,person:3],arglist:[arglist:[arglist:[arglist:[subject:[number:sing,gender:masc,pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:furor,txt:furor,case:nom,w:1,c_str:furor],prep_cplt:
[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:abl,prep:in,sem:
[thing,loc],lex:rostra,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:rostra,txt:rostris,case:abl,w:
1,c_str:rostris]]]],linker:comma,arglist:[subject:[number:sing,gender:masc,pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:
[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:timor,txt:timor,case:nom,w:1,c_str:timor],prep_cplt:
[pathlist:[p(5,6),p(6,7)],hp:[p(6,7)],distance:[0],index:i(p(6,7)),case:abl,prep:in,sem:
[thing,loc],lex:curia,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:curia,txt:curia,case:abl,w:1,c
_str:curia]]]],linker:comma,arglist:[subject:[number:sing,gender:fem,pathlist:[p(11,12)],hp:
[p(11,12)],index:i(p(11,12)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:coniuratio,txt:coniuratio,case:nom,w:1,c_str:coniurati
o],prep_cplt:[pathlist:[p(9,10),p(10,11)],hp:[p(10,11)],distance:[0],index:i(p(10,11)),case:abl,prep:in,sem:
[thing,loc],lex:forum,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(10,11)],hp:[p(10,11)],index:i(p(10,11)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:forum,txt:foro,case:abl,w:
1,c_str:foro]]]],linker:comma,arglist:[subject:[number:pl,gender:masc,pathlist:[p(15,16)],hp:
[p(15,16)],index:i(p(15,16)),distance:[0],cat:np,sem:
[thing,hum,loc],class:common,lextype:full,origin:noun,person:3,type:core,lex:exercitus,txt:exercitus,case:nom,w:1,c_str:exerci
tus],prep_cplt:[pathlist:[p(13,14),p(14,15)],hp:[p(14,15)],distance:[0],index:i(p(14,15)),case:abl,prep:in,sem:
[thing,loc],lex:campus,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(14,15)],hp:[p(14,15)],index:i(p(14,15)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:campus,txt:campo,case:abl,
w:1,c_str:campo]]]],linker:comma,arglist:[subject:[number:sing,gender:fem,pathlist:[p(19,20)],hp:
[p(19,20)],index:i(p(19,20)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,person:3,type:core,lex:uastitas,txt:uastitas,case:nom,w:1,c_str:uastitas],prep_c
plt:[pathlist:[p(17,18),p(18,19)],hp:[p(18,19)],distance:[0],index:i(p(18,19)),case:abl,prep:in,sem:
[thing,loc],lex:ager,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(18,19)],hp:[p(18,19)],index:i(p(18,19)),distance:
[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:ager,txt:agris,case:abl,w:1,c_s
tr:agris]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:uersor_dwell
  polarity:pos
  cat:vg
  * uersabitur *
  pos:v
  lex:uersari
  voice:act
  tense:future
  mood:indicative
  number:sing
  person:3
arglist
  arglist
    arglist
      arglist
        subject
          number:sing
          gender:masc
          * furor *
```

```

index:i(p(3,4))
cat:np
sem:[abstract]
person:3
lex:furor
case:nom
c_str
furor
prep_cplt
  * in ** rostris *
index:i(p(2,3))
case:abl
prep:in
sem:[thing,loc]
lex:rostra
cat:pp
c_str
  prep:in
  head
    * rostris *
    index:i(p(2,3))
    cat:np
    sem:[thing,loc]
    number:pl
    person:3
    gender:neuter
    lex:rostra
    case:abl
    c_str
    rostris
linker
comma
arglist
  subject
    number:sing
    gender:masc
    * timor *
    index:i(p(7,8))
    cat:np
    sem:[abstract]
    person:3
    lex:timor
    case:nom
    c_str
    timor
  prep_cplt
    * in ** curia *
    index:i(p(6,7))
    case:abl
    prep:in
    sem:[thing,loc]
    lex:curia
    cat:pp
    c_str
      prep:in
      head
        * curia *
        index:i(p(6,7))
        cat:np
        sem:[thing,loc]
        number:sing
        person:3
        gender:fem
        lex:curia

```

```

        case:abl
        c_str
        curia
linker
comma
arglist
  subject
    number:sing
    gender:fem
    * coniuratio *
    index:i(p(11,12))
    cat:np
    sem:[abstract]
    person:3
    lex:coniuratio
    case:nom
    c_str
    coniuratio
  prep_cplt
    * in * * foro *
    index:i(p(10,11))
    case:abl
    prep:in
    sem:[thing,loc]
    lex:forum
    cat:pp
    c_str
    prep:in
    head
      * foro *
      index:i(p(10,11))
      cat:np
      sem:[thing,loc]
      number:sing
      person:3
      gender:neuter
      lex:forum
      case:abl
      c_str
      foro
linker
comma
arglist
  subject
    number:pl
    gender:masc
    * exercitus *
    index:i(p(15,16))
    cat:np
    sem:[thing,hum,loc]
    person:3
    lex:exercitus
    case:nom
    c_str
    exercitus
  prep_cplt
    * in * * campo *
    index:i(p(14,15))
    case:abl
    prep:in
    sem:[thing,loc]
    lex:campus
    cat:pp
    c_str

```

```

      prep:in
      head
      * campo *
      index:i(p(14,15))
      cat:np
      sem:[thing,loc]
      number:sing
      person:3
      gender:masc
      lex:campus
      case:abl
      c_str
      campo
linker
comma
arglist
  subject
    number:sing
    gender:fem
    * uastitas *
    index:i(p(19,20))
    cat:np
    sem:[quality]
    person:3
    lex:uastitas
    case:nom
    c_str
    uastitas
  prep_cplt
    * in ** agris *
    index:i(p(18,19))
    case:abl
    prep:in
    sem:[thing,loc]
    lex:ager
    cat:pp
    c_str
    prep:in
    head
    * agris *
    index:i(p(18,19))
    cat:np
    sem:[thing,loc]
    number:pl
    person:3
    gender:masc
    lex:ager
    case:abl
    c_str
    agris

```

Comment : both parses make use of the 'linker' ; only the stacking differs, it seems to me.

% 30 Cicero Pro Murena III 7.

Huic ego satis facere cupio uosque adhibere arbitros.

[0/huic,1/ego,2/satis,3/facere,4/cupio,5/que,6/uos,7/adhibere,8/arbitros,endpos(9)]
cputime : 1.109375

8.99--->

```
[illocutionary_force:statement,vg:[selected_reading:cupio_want,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_88532,w:0,pos:v,class:tr_cod,type:finite,lex:cupere,voice:act,txt:cupio,tense:present,kind:std,mood:indicative,
number:sing,person:1],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,sem:[hum],class:proper,lex:pp1sg,person:1,type:core,case:nom,w:1,c_str:pp1sg],object:
[cat:pred,type:nonfinite_i,mood:infinitive,tense:_88990,class:m,pathlist:[p(0,1),p(2,4),p(5,6),p(6,7),p(7,8),p(8,9)],distance:
[0],number:_89116,gender:_89128,person:_89140,case:or([nom,acc]),gap:[],w:6.99,c_str:[head:[vg:
[selected_reading:satisfacio_satisfy,polarity:pos,cat:vg,pathlist:[p(2,4)],hp:
[p(2,4)],gender:_89324,w:0,txt:satisfacere,lex:satisfacere,pos:v,class:tr_cod,type:nonfinite,voice:act,tense:present,kind:std,moo
d:infinitive,number:_89456,person:_89468],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:dem,lex:prdemdat3gsing,number:sing,person:3,gender:or([masc,fem,neuter]),type:core,case:dat,w:1,c_str:prdemd
at3gsing]],coord:que,head:[vg:[selected_reading:adhibeo_use_as,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_89848,w:0,pos:v,class:tr_cod,type:nonfinite,lex:adhibere,voice:act,txt:adhibere,tense:present,kind:std,mood:i
nfinitive,number:_89980,person:_89992],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2pl,number:pl,person:2,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp2pl],object_cplt:
[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:arbitro,txt:arbitros,case:acc,w:1,c
_str:arbitros]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:cupio_want
  polarity:pos
  cat:vg
  * cupio *
  pos:v
  lex:cupere
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:1
subject
  number:sing
  gender:or([masc,fem])
  * ego *
  index:i(p(1,2))
  cat:np
  sem:[hum]
  lex:pp1sg
  person:1
  case:nom
  c_str
  pp1sg
object
  cat:pred
  mood:infinitive
  * huic * * satis * facere * * que * * uos * * adhibere * * arbitros *
  case:or([nom,acc])
  c_str
  head
    vg
      selected_reading:satisfacio_satisfy
      polarity:pos
      cat:vg
      * satis * facere *
```

```

lex:satisfacere
pos:v
voice:act
tense:present
mood:infinitive
object
* huic *
index:i(p(0,1))
cat:np
sem:[hum]
lex:prdemdat3gsing
number:sing
person:3
gender:or([masc,fem,neuter])
case:dat
c_str
prdemdat3gsing
coord:que
head
vg
selected_reading:adhibeo_use_as
polarity:pos
cat:vg
* adhibere *
pos:v
lex:adhibere
voice:act
tense:present
mood:infinitive
object
* uos *
index:i(p(6,7))
cat:np
sem:[hum]
lex:pp2pl
number:pl
person:2
gender:or([masc,fem])
case:acc
c_str
pp2pl
object_cplt
* arbitros *
index:i(p(8,9))
cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:arbiter
case:acc
c_str
arbitros

```

Comment : OK.

% 31 Cicero Pro Murena XVII 36.

Nihil est incertius uolgo, nihil obscurius uoluntate hominum.

[0/nihil,1/est,2/incertius,3/uolgo,4/(','),5/nihil,6/obscurius,7/uoluntate,8/hominum,endpos(9)]
cputime : 19.796875

9.49--->

illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_95566,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:est,tense:present,kind:std,mood:indicative,numb
er:sing,person:3],arglist:[subject:[number:sing,gender:neuter,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing,abstract],class:indef,lex:nihil,person:3,type:core,case:nom,w:1,c_str:nihil],predicative:[cat:adjp,pathlist:
[p(2,3),p(3,4)],distance:[0],hp:[p(2,3)],case:nom,number:sing,gender:neuter,lex:incertus,type:std,w:2,c_str:[incertus,comp_cplt:
[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:uulgus,txt:uolgo,case:abl
,w:1,c_str:uolgo]]],linker:comma,arglist:[subject:[number:sing,gender:neuter,pathlist:[p(5,6)],hp:
[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[thing,abstract],class:indef,lex:nihil,person:3,type:core,case:nom,w:1,c_str:nihil],predicative:[cat:adjp,pathlist:
[p(6,7),p(7,8),p(8,9)],distance:[0],hp:[p(6,7)],case:nom,number:sing,gender:neuter,lex:obscurus,type:std,w:2.5,c_str:
[obscurus,comp_cplt:[pathlist:[p(7,8),p(8,9)],hp:[p(7,8)],index:i([p(7,8)]),distance:[0],sem:
[quality],number:sing,person:3,cat:np,lex:uoluntas,lextype:full,gender:fem,type:full,case:abl,class:common,w:1.5,c_str:[head:
[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:uoluntas,txt:uoluntate,case:abl
,w:1,c_str:uoluntate],noun_cplt:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:homo,txt:hominum,case:gen,w:1,
c_str:hominum]]]]]]]]]

illocutionary_force:statement

vg

selected_reading:sum_be

polarity:pos

cat:vg

* est *

pos:v

lex:esse

voice:act

tense:present

mood:indicative

number:sing

person:3

arglist

subject

number:sing

gender:neuter

* nihil *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

lex:nihil

person:3

case:nom

c_str

nihil

predicative

cat:adjp

* incertius * uolgo *

case:nom

number:sing

gender:neuter

lex:incertus

c_str

incertus

comp_cplt

* uolgo *

```

        index:i(p(3,4))
        cat:np
        sem:[hum,thing]
        number:sing
        person:3
        gender:neuter
        lex:uulgus
        case:abl
        c_str
        uolgo
linker
comma
arglist
    subject
        number:sing
        gender:neuter
        * nihil *
        index:i(p(5,6))
        cat:np
        sem:[thing,abstract]
        lex:nihil
        person:3
        case:nom
        c_str
        nihil
    predicative
        cat:adjp
        * obscurius * * uoluntate * * hominum *
        case:nom
        number:sing
        gender:neuter
        lex:obscurus
        c_str
        obscurus
        comp_cplt
            * uoluntate * * hominum *
            index:i([p(7,8)])
            sem:[quality]
            number:sing
            person:3
            cat:np
            lex:uoluntas
            gender:fem
            case:abl
            c_str
            head
                * uoluntate *
                index:i(p(7,8))
                cat:np
                sem:[quality]
                number:sing
                person:3
                gender:fem
                lex:uoluntas
                case:abl
                c_str
                uoluntate
            noun_cplt
                * hominum *
                index:i(p(8,9))
                cat:np
                sem:[hum]
                number:pl
                person:3

```


gender:masc
lex:homo
case:gen
c_str
hominum

Comment : comparatives not clearly marked as such, parse OK.

Munus amplissimum quod petitio praeturae desiderarat praetura restituit.

[0/munus,1/amplissimum,2/quod,3/petitio,4/praeturae,5/desiderauerat,6/praetura,7/restituit,endpos(8)]
cputime : 1.890625

Parse A

5.49--->

[illocutionary_force:statement,vg:[selected_reading:restituo_restore,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_87982,w:0,pos:v,class:tr_cod,type:finite,lex:restituere,voice:act,txt:restituit,tense:present,kind:std,mood:indica
tive,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[institution],class:common,lextype:full,origin:noun,person:3,type:core,lex:praetura,txt:praetura,case:nom,w:1,c_str:praetura],o
bject:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(0,1)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(0,1)),number:sing,gender:neuter,sem:
[abstract,thing],person:_88668,case:acc,lex:munus,w:3.5,c_str:[head:[head:[pathlist:
[p(0,1)],pos:noun,txt:munus,lex:munus,case:acc,gender:neuter,class:common,ab:no,number:sing,sem:[abstract,thing]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:sing,gender:neuter,lex:amplus,type:std,w:1,c_str:amplus]],rel_clause:[pathlist:
[p(2,3),p(3,4),p(4,5),p(5,6)],distance:[0],gap:[gap:[type:np,index:i(p(0,1)),function:object,object:[ei(p(0,1))],constraints:
[case:acc]],index:i(p(0,1)),number:sing,gender:neuter,case:acc,person:3,reltype:restrictive,type:finite,mood:indicative,tense:plu
perfect,constraints:[case:acc],w:2.5,c_str:[illocutionary_force:statement,vg:
[selected_reading:desidero_miss,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_89484,w:0,pos:v,class:tr_cod,type:finite,lex:desiderare,voice:act,txt:desiderauerat,tense:pluperfect,kind:std,m
ood:indicative,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(3,4),p(4,5)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],sem:
[abstract],person:3,cat:np,lex:petitio,lextype:full,type:full,case:nom,class:common,w:1.5,c_str:[head:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:petitio,txt:petitio,case:nom,w
:1,c_str:petitio],noun_cplt:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[institution],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:praetura,txt:praeturae,case:
gen,w:1,c_str:praeturae]]],object:[ei(p(0,1))]]]]]]]]

illocutionary_force:statement

vg

selected_reading:restituo_restore

polarity:pos

cat:vg

* restituit *

pos:v

lex:restituere

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* praetura *

index:i(p(6,7))

cat:np

sem:[institution]

person:3

lex:praetura

case:nom

c_str

praetura

object

* munus * * amplissimum * * quod * * petitio * * praeturae * * desiderauerat *

cat:np

index:i(p(0,1))

number:sing
 gender:neuter
 sem:[abstract,thing]
 case:acc
 lex:munus
 c_str
 head
 head
 * munus *
 pos:noun
 lex:munus
 case:acc
 gender:neuter
 number:sing
 sem:[abstract,thing]
 adjp
 cat:adjp
 * amplissimum *
 case:acc
 number:sing
 gender:neuter
 lex:amplus
 c_str
 amplus
 rel_clause
 * quod * * petio * * praeturae * * desiderauerat *
 index:i(p(0,1))
 number:sing
 gender:neuter
 case:acc
 person:3
 reltype:restrictive
 mood:indicative
 tense:pluperfect
 c_str
 illocutionary_force:statement
 vg
 selected_reading:desidero_miss
 polarity:pos
 cat:vg
 * desiderauerat *
 pos:v
 lex:desiderare
 voice:act
 tense:pluperfect
 mood:indicative
 number:sing
 person:3
 subject
 number:sing
 gender:fem
 * petio * * praeturae *
 index:i(p(3,4))
 sem:[abstract]
 person:3
 cat:np
 lex:petio
 case:nom
 c_str
 head
 * petio *
 index:i(p(3,4))
 cat:np
 sem:[abstract]

number:sing
person:3
gender:fem
lex:petitio
case:nom
c_str
petitio
noun_cplt
* praeturae *
index:i(p(4,5))
cat:np
sem:[institution]
number:sing
person:3
gender:fem
lex:praetura
case:gen
c_str
praeturae
object
ei(p(0,1))

Comment : parse OK, restituït as present tense

Parse B

5.49--->

[illocutionary_force:statement,vg:[selected_reading:restitutio_restore,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_90582,w:0,pos:v,class:tr_cod,type:finite,lex:restituere,voice:act,txt:restituit,tense:perfect,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[institution],class:common,lextype:full,origin:noun,person:3,type:core,lex:praetura,txt:praetura,case:nom,w:1,c_str:praetura],object:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(0,1)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(0,1)),number:sing,gender:neuter,sem:
[abstract,thing],person:_91268,case:acc,lex:munus,w:3.5,c_str:[head:[head:[pathlist:
[p(0,1)],pos:noun,txt:munus,lex:munus,case:acc,gender:neuter,class:common,ab:no,number:sing,sem:[abstract,thing]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:sing,gender:neuter,lex:amplus,type:std,w:1,c_str:amplus]],rel_clause:[pathlist:
[p(2,3),p(3,4),p(4,5),p(5,6)],distance:[0],gap:[gap:[type:np,index:i(p(0,1)),function:object,object:[ei(p(0,1))],constraints:
[case:acc]],index:i(p(0,1)),number:sing,gender:neuter,case:acc,person:3,reltype:restrictive,type:finite,mood:indicative,tense:pluperfect,constraints:[case:acc],w:2.5,c_str:[illocutionary_force:statement,vg:
[selected_reading:desidero_miss,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_92084,w:0,pos:v,class:tr_cod,type:finite,lex:desiderare,voice:act,txt:desiderauerat,tense:pluperfect,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(3,4),p(4,5)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],sem:
[abstract],person:3,cat:np,lex:petitio,lextype:full,type:full,case:nom,class:common,w:1.5,c_str:[head:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:petitio,txt:petitio,case:nom,w:
:1,c_str:petitio],noun_cplt:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[institution],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:praetura,txt:praeturae,case:
gen,w:1,c_str:praeturae]],object:[ei(p(0,1))]]]]]]]

illocutionary_force:statement

vg

selected_reading:restitutio_restore

polarity:pos

cat:vg

* restituit *

pos:v

lex:restituere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* praetura *

index:i(p(6,7))

cat:np

sem:[institution]

person:3

lex:praetura

case:nom

c_str

praetura

object

* munus * * amplissimum * * quod * * petitio * * praeturae * * desiderauerat *

cat:np

index:i(p(0,1))

number:sing

gender:neuter

sem:[abstract,thing]

case:acc

lex:munus

c_str

head
 head
 * munus *
 pos:noun
 lex:munus
 case:acc
 gender:neuter
 number:sing
 sem:[abstract,thing]
 adjp
 cat:adjp
 * amplissimum *
 case:acc
 number:sing
 gender:neuter
 lex:amplus
 c_str
 amplus
 rel_clause
 * quod * * petio * * praeturae * * desiderauerat *
 index:i(p(0,1))
 number:sing
 gender:neuter
 case:acc
 person:3
 reltype:restrictive
 mood:indicative
 tense:pluperfect
 c_str
 illocutionary_force:statement
 vg
 selected_reading:desidero_miss
 polarity:pos
 cat:vg
 * desiderauerat *
 pos:v
 lex:desiderare
 voice:act
 tense:pluperfect
 mood:indicative
 number:sing
 person:3
 subject
 number:sing
 gender:fem
 * petio * * praeturae *
 index:i(p(3,4))
 sem:[abstract]
 person:3
 cat:np
 lex:petio
 case:nom
 c_str
 head
 * petio *
 index:i(p(3,4))
 cat:np
 sem:[abstract]
 number:sing
 person:3
 gender:fem
 lex:petio
 case:nom
 c_str

```
    petitio
noun_cplt
    * praeturae *
    index:i(p(4,5))
    cat:np
    sem:[institution]
    number:sing
    person:3
    gender:fem
    lex:praetura
    case:gen
    c_str
    praeturae
object
    e:i(p(0,1))
```

Comment : parse OK, restituit as perfect (more likely)

Cogita nonnullorum amicorum studia minui in eos a quibus provincias contemni intellegunt.

11--->

illocutionary_force:statement

vg

selected_reading:cogito_think_that

polarity:pos

cat:vg

* cogita *

pos:v

lex:cogitare

voice:act

tense:present

mood:imperative

number:sing


```

    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masculine,female])
    person:2
    cat:noun
    index:i(0,0)
    constraints_to_be_met:[semantic:[human]]
    case:nominative
  object
    cat:predicative
    mood:infinitive
    tense:present
    * nonnullorum * * amicorum * * studia * * minui * * in * * eos * * a * * quibus * * prouincias * * contemni * *
intelligunt *
  number:sing
  gender:neuter
  case:or([nominative,accusative])
  person:3
  polarity:positive
  c_str
    vg
      selected_reading:minuo_diminish
      polarity:positive
      cat:verb
      * minui *
      gender:neuter
      pos:v
      lex:minuere
      voice:passive
      tense:present
      mood:infinitive
      number:plural
    subject
      number:plural
      gender:neuter
      * nonnullorum * * amicorum * * studia * * in * * eos * * a * * quibus * * prouincias * * contemni * * intelligunt *
      index:i([p(3,4)])
      cat:noun
      semantic:[abstract]
      person:3
      lex:studium
      case:accusative
      c_str
        * nonnullorum * * amicorum * * studia *
        index:i([p(3,4)])
        semantic:[abstract]
        number:plural
        person:3
        cat:noun
        lex:studium
        gender:neuter
        case:accusative
      c_str
        head
          * studia *
          index:i(p(3,4))
          cat:noun
          semantic:[abstract]
          number:plural
          person:3
          gender:neuter
          lex:studium

```

```

case:acc
c_str
studia
noun_cplt
* nonnullorum * * amicorum *
index:i(p(2,3))
cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:amicus
case:gen
c_str
head
* amicorum *
pos:noun
lex:amicus
case:gen
gender:masc
number:pl
sem:[hum]
adjp
cat:adjp
* nonnullorum *
case:gen
number:pl
gender:masc
lex:nonnullus
c_str
nonnullus
arg
* in * * eos * * a * * quibus * * prouincias * * contemni * * intellegunt *
index:i(p(6,7))
case:acc
prep:in
sem:[hum]
lex:prpersaccmaspl
cat:pp
c_str
prep:in
head
* eos * * a * * quibus * * prouincias * * contemni * * intellegunt *
cat:np
index:i(p(6,7))
number:pl
gender:masc
sem:[hum]
case:acc
lex:prpersaccmaspl
c_str
head
prpersaccmaspl
rel_clause
* a * * quibus * * prouincias * * contemni * * intellegunt *
index:i(p(6,7))
number:pl
gender:or([masc,fem,neuter])
person:3
reltype:restrictive
mood:indicative
tense:present
c_str
illocutionary_force:statement

```

```

vg
  selected_reading:intellego_understand_that
  polarity:pos
  cat:vg
  * intellegunt *
  pos:v
  lex:intellegere
  voice:act
  tense:present
  mood:indicative
  number:pl
  person:3
subject
  source:context_retrievable
  number:pl
  person:3
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  cat:pred
  mood:infinitive
  tense:present
  * prouincias * * contemni *
  number:sing
  gender:neuter
  case:or([nom,acc])
  person:3
  polarity:pos
  c_str
    vg
      selected_reading:contemno_despise
      polarity:pos
      cat:vg
      * contemni *
      gender:fem
      pos:v
      lex:contemnere
      voice:pass
      tense:present
      mood:infinitive
      number:pl
    subject
      number:pl
      gender:fem
      * prouincias *
      index:i(p(9,10))
      cat:np
      sem:[loc,abstract]
      person:3
      lex:prouincia
      case:acc
      c_str
        prouincias
    agent
      e:i(p(6,7))

```

Comment : parse OK. Doesn't look bad, does it ?

```

illocutionary_force:statement
vg
  selected_reading:ostendo_show_that
  polarity:pos
  cat:vg
  * ostendit *
  pos:v
  lex:ostendere
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * is *
  index:i(p(0,1))
  cat:np
  sem:[hum]
  lex:prpersnommasc:sing
  person:3
  case:nom
  c_str
    prpersnommasc:sing
object

```

cat:pred
 mood:infinitive
 tense:future
 * ceteris * * in * * rebus * * se * * acerrimum * * tui * * defensorem * * fore *
 number:sing
 gender:neuter
 case:or([nom,acc])
 person:3
 polarity:pos
 c_str
 vg
 selected_reading:sum_be
 polarity:pos
 cat:vg
 * fore *
 gender:or([masc,fem])
 pos:v
 lex:esse
 voice:act
 tense:future
 mood:infinitive
 number:or([sing,pl])
 subject
 number:or([sing,pl])
 gender:or([masc,fem])
 * se *
 index:i(p(0,1))
 cat:np
 sem:[hum]
 lex:pp3refl
 emphasis:no
 person:3
 case:acc
 c_str
 pp3refl
 predicative
 * acerrimum * * tui * * defensorem *
 index:i([p(7,8)])
 sem:[hum]
 number:sing
 person:3
 cat:np
 lex:defensor
 gender:masc
 case:acc
 c_str
 head
 * acerrimum * * defensorem *
 index:i(p(7,8))
 cat:np
 sem:[hum]
 number:sing
 person:3
 gender:masc
 lex:defensor
 case:acc
 c_str
 head
 * defensorem *
 pos:noun
 lex:defensor
 case:acc
 gender:masc
 number:sing

```

      sem:[hum]
    adjp
      cat:adjp
      * acerrimum *
      case:acc
      number:sing
      gender:masc
      lex:acer
      c_str
      acer
    noun_cplt
      * tui *
      index:i(p(6,7))
      cat:np
      sem:[hum]
      lex:pp2sg
      number:sing
      person:2
      gender:or([masc,fem])
      case:gen
      c_str
      pp2sg
    prep_phrase_adjunct_3
      * ceteris * * in * * rebus *
      index:i(p(3,4))
      case:abl
      prep:in
      sem:[thing,abstract]
      lex:res
      cat:pp
      c_str
      prep:in
      head
        * ceteris * * rebus *
        index:i(p(3,4))
        cat:np
        sem:[thing,abstract]
        number:pl
        person:3
        gender:fem
        lex:res
        case:abl
        c_str
        head
          * rebus *
          pos:noun
          lex:res
          case:abl
          gender:fem
          number:pl
          sem:[thing,abstract]
        adjp
          cat:adjp
          * ceteris *
          case:abl
          number:pl
          gender:fem
          lex:ceterus
          c_str
          ceterus

```

Comment : parse OK, with ostendit as present tense

9.5--->

illocutionary_force:statement
vg
selected_reading:ostendo_show_that
polarity:pos
cat:vg
* ostendit *
pos:v
lex:ostendere
voice:act
tense:perfect
mood:indicative
number:sing
person:3
subject
number:sing
gender:masc
* is *
index:i(p(0,1))
cat:np
sem:[hum]
lex:prpersnommascsing
person:3
case:nom
c_str
prpersnommascsing
object
cat:pred
mood:infinitive
tense:future
* ceteris ** in ** rebus ** se ** acerrimum ** tui ** defensorem ** fore *
number:sing

```

gender:neuter
case:or([nom,acc])
person:3
polarity:pos
c_str
  vg
    selected_reading:sum_be
    polarity:pos
    cat:vg
    * fore *
    gender:or([masc,fem])
    pos:v
    lex:esse
    voice:act
    tense:future
    mood:infinitive
    number:or([sing,pl])
subject
  number:or([sing,pl])
  gender:or([masc,fem])
  * se *
  index:i(p(0,1))
  cat:np
  sem:[hum]
  lex:pp3refl
  emphasis:no
  person:3
  case:acc
  c_str
    pp3refl
predicative
  * acerrimum ** tui ** defensorem *
  index:i(p(7,8))
  sem:[hum]
  number:sing
  person:3
  cat:np
  lex:defensor
  gender:masc
  case:acc
  c_str
    head
      * acerrimum ** defensorem *
      index:i(p(7,8))
      cat:np
      sem:[hum]
      number:sing
      person:3
      gender:masc
      lex:defensor
      case:acc
      c_str
        head
          * defensorem *
          pos:noun
          lex:defensor
          case:acc
          gender:masc
          number:sing
          sem:[hum]
        adjp
          cat:adjp
          * acerrimum *
          case:acc

```



```

        number:sing
        gender:masc
        lex:acer
        c_str
        acer
noun_cplt
    * tui *
    index:i(p(6,7))
    cat:np
    sem:[hum]
    lex:pp2sg
    number:sing
    person:2
    gender:or([masc,fem])
    case:gen
    c_str
    pp2sg
prep_phrase_adjunct_3
    * ceteris * * in * * rebus *
    index:i(p(3,4))
    case:abl
    prep:in
    sem:[thing,abstract]
    lex:res
    cat:pp
    c_str
    prep:in
    head
        * ceteris * * rebus *
        index:i(p(3,4))
        cat:np
        sem:[thing,abstract]
        number:pl
        person:3
        gender:fem
        lex:res
        case:abl
        c_str
        head
            * rebus *
            pos:noun
            lex:res
            case:abl
            gender:fem
            number:pl
            sem:[thing,abstract]
        adjp
            cat:adjp
            * ceteris *
            case:abl
            number:pl
            gender:fem
            lex:ceterus
            c_str
            ceterus

```

Comment : Parse OK, with ostendit as perfect (more likely)

% 35 Tacitus Ann 12 8 1.

Die nuptiarum Silanus mortem sibi conscivit delecto die augendam ad invidiam.

[0/die,1/nuptiarum,2/silanus,3/mortem,4/sibi,5/consciuit,6/delecto,7/die,8/augendam,9/ad,10/invidiam,endpos(11)]
cputime : 7.40625

7.99--->

[illocutionary_force:statement,vg:[selected_reading:conscio_commit_suicide,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:[p(5,6)],gender:_97332,w:0,pos:v,class:tr_cod,type:finite,lex:conscire,voice:act,txt:consciuit,tense:perfect,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:[male],class:proper,lex:silanus,lextype:full,person:3,type:core,case:nom,w:1,c_str:silanus],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:[abstract,thing,hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:mors,txt:mortem,case:acc,w:1,c_str:mortem],i_object:[number:sing,gender:masc,pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(2,3)),distance:[0],cat:np,sem:[hum],class:proper,lex:pp3refl,emphasis:no,person:3,type:core,case:dat,w:1,c_str:pp3refl],adjunct:[pathlist:[p(0,1),p(1,2)],distance:[0],class:adjunct,value:time,type:full,w:0,c_str:[head:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:[time,thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:or([masc,fem]),type:core,lex:dies,txt:die,case:abl,w:1,c_str:die],noun_cplt:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:nuptiae,txt:nuptiarum,case:gen,w:1,c_str:nuptiarum]]],ablative_absolute:[pathlist:[p(6,7),p(7,8),p(8,9),p(9,10),p(10,11)],distance:[0],w:8,c_str:[lex:deligo_choose,[pos:p_p,txt:delecto,case:abl,gender:masc,number:sing,lex:deligere,class:tr_cod,type:p_p,kind:std,mood:participle,person:3],adjunct:[pathlist:[p(8,9),p(9,10),p(10,11)],distance:[0],class:adjunct,value:purpose,type:purpose,w:2,c_str:[prep:ad,head:[cat:pred,type:gerund,subtype:gerundive,case:acc,mood:gerund,class:m,local_case:acc,number:sing,person:3,gender:neuter,pathlist:[p(8,9),p(10,11)],distance:[0],gap:[],w:3.99,c_str:[vg:[selected_reading:augere_increase,pos:gdiv,txt:augendam,case:acc,gender:fem,number:sing,lex:augere,class:tr_cod,type:gdiv,kind:std,mood:gerund,person:3],object:[pathlist:[p(10,11)],hp:[p(10,11)],index:i(p(10,11)),distance:[0],cat:np,sem:[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:invidia,txt:invidiam,case:acc,w:1,c_str:invidiam]]]]],object:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:[time,thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:or([masc,fem]),type:core,lex:dies,txt:die,case:abl,w:1,c_str:die]]]]]

illocutionary_force:statement

vg

selected_reading:conscio_commit_suicide

polarity:pos

cat:vg

* consciuit *

pos:v

lex:conscire

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* silanus *

index:i(p(2,3))

cat:np

sem:[male]

lex:silanus

person:3

case:nom

c_str

silanus

object

* mortem *

index:i(p(3,4))

```

cat:np
sem:[abstract,thing,hum]
number:sing
person:3
gender:fem
lex:mors
case:acc
c_str
mortem
i_object
number:sing
gender:masc
* sibi *
index:i(p(2,3))
cat:np
sem:[hum]
lex:pp3refl
emphasis:no
person:3
case:dat
c_str
pp3refl
adjunct
* die ** nuptiarum *
value:time
c_str
head
* die *
index:i(p(0,1))
cat:np
sem:[time,thing,abstract]
number:sing
person:3
gender:or([masc,fem])
lex:dies
case:abl
c_str
die
noun_cplt
* nuptiarum *
index:i(p(1,2))
cat:np
sem:[thing,abstract]
number:pl
person:3
gender:fem
lex:nuptiae
case:gen
c_str
nuptiarum
ablative_absolute
* delecto ** die ** augendam ** ad ** inuidiam *
c_str
lex:deligo_choose
pos:p_p
case:abl
gender:masc
number:sing
lex:deligere
mood:participle
person:3
adjunct
* augendam ** ad ** inuidiam *
value:purpose

```

```

c_str
  prep:ad
  head
    cat:pred
    subtype:gerundive
    case:acc
    mood:gerund
    local_case:acc
    number:sing
    person:3
    gender:neuter
    * augendam * * inuidiam *
  c_str
    vg
      selected_reading:augeo_increase
      pos:gdiv
      case:acc
      gender:fem
      number:sing
      lex:augere
      mood:gerund
      person:3
    object
      * inuidiam *
      index:i(p(10,11))
      cat:np
      sem:[quality]
      number:sing
      person:3
      gender:fem
      lex:inuidia
      case:acc
      c_str
        inuidiam
  object
    * die *
    index:i(p(7,8))
    cat:np
    sem:[time,thing,abstract]
    number:sing
    person:3
    gender:or([masc,fem])
    lex:dies
    case:abl
    c_str
      die

```

Comment : parse OK, with satisfactory depth

% 36 adapted from Cicero Cat I 10.

Exclusi eos quos tu salutatum miseras.

[0/exclusi,1/eos,2/quos,3/tu,4/salutatum,5/miseras,endpos(6)]
cputime : 4.1875

11--->

[illocutionary_force:statement,vg:[selected_reading:excludo_throw_out,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_85404,w:0,pos:v,class:tr_cod,type:finite,lex:excludere,voice:act,txt:exclusi,tense:perfect,kind:std,mood:indicat
ive,number:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(1,2)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(1,2)),number:pl,gender:masc,sem:_85970,person:_85982,case:acc,lex:p
rpersaccmascpl,w:9,c_str:[head:prpersaccmascpl,rel_clause:[pathlist:[p(2,3),p(3,4),p(4,5),p(5,6)],distance:[0],gap:[gap:
[type:np,index:i(p(1,2)),function:object,object:[e:i(p(1,2))],constraints:
[case:acc]],index:i(p(1,2)),number:pl,gender:masc,case:acc,person:3,reltype:restrictive,type:finite,mood:indicative,tense:pluper
fect,constraints:[case:acc],w:8,c_str:[illocutionary_force:statement,vg:
[selected_reading:mitto_send,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_86474,w:0,pos:v,class:tr_cod_coi,type:finite,lex:mittere,kind:std,mood:indicative,voice:act,txt:miseras,tense:p
luperfect,number:sing,person:2],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,person:2,type:core,case:nom,w:1,c_str:pp2sg],object:[e:i(p(1,2))],cplt:
[cat:pred,type:nonfinite_i,mood:supine,tense:present,class:m,pathlist:[p(4,5)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,gap:[],w:5,c_str:[vg:
[selected_reading:saluto_greet,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_87200,w:0,pos:v,class:tr_cod,type:supine,lex:salutare,txt:salutatum,kind:std,mood:supine,person:3,case:_8732
0]]]]]]]]]

illocutionary_force:statement

vg

selected_reading:excludo_throw_out

polarity:pos

cat:vg

* exclusi *

pos:v

lex:excludere

voice:act

tense:perfect

mood:indicative

number:sing

person:1

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:1

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* eos * quos * tu * salutatum * miseras *

cat:np

index:i(p(1,2))

number:pl

gender:masc

case:acc

lex:prpersaccmascpl

c_str

head

prpersaccmascpl

```

rel_clause
  * quos * * tu * * salutatum * * miseras *
  index:i(p(1,2))
  number:pl
  gender:masc
  case:acc
  person:3
  reltype:restrictive
  mood:indicative
  tense:pluperfect
  c_str
    illocutionary_force:statement
    vg
      selected_reading:mitto_send
      polarity:pos
      cat:vg
      * miseras *
      pos:v
      lex:mittere
      mood:indicative
      voice:act
      tense:pluperfect
      number:sing
      person:2
    subject
      number:sing
      gender:or([masc,fem])
      * tu *
      index:i(p(3,4))
      cat:np
      sem:[hum]
      lex:pp2sg
      person:2
      case:nom
      c_str
        pp2sg
      object
        ei(p(1,2))
      cplt
        cat:pred
        mood:supine
        tense:present
        * salutatum *
        number:sing
        gender:neuter
        case:or([nom,acc])
        person:3
        c_str
          vg
            selected_reading:saluto_greet
            polarity:pos
            cat:vg
            * salutatum *
            pos:v
            lex:salutare
            mood:supine
            person:3

```

Comment : parse OK

Illi venerunt quos ad me venturos esse praedixeram.

```

illocutionary_force:statement
vg
  selected_reading:uenio_come
  polarity:pos
  cat:vg
  * uenerunt *
  pos:v
  lex:uenire
  voice:act
  tense:perfect
  mood:indicative
  number:pl
  person:3
subject
  number:pl
  gender:masc
  * illi ** quos ** ad ** me ** uenturos ** esse ** praedixeram *
  cat:np
  index:i(p(0,1))
  sem:[hum]
  person:3
  case:nom
  lex:prdemnommascpl
  c_str
    head
      prdemnommascpl
      rel_clause
        * quos ** ad ** me ** uenturos ** esse ** praedixeram *
        index:i(p(0,1))
        number:pl
        gender:masc
        case:acc

```

person:3
 reltype:restrictive
 mood:indicative
 tense:pluperfect
 c_str
 illocutionary_force:statement
 vg
 selected_reading:praedico_foretell
 polarity:pos
 cat:vg
 * praedixeram *
 pos:v
 lex:praedicere
 voice:act
 tense:pluperfect
 mood:indicative
 number:sing
 person:1
 subject
 source:context_retrievable
 number:sing
 gender:or([masc,fem])
 person:1
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
 object
 cat:pred
 mood:infinitive
 tense:future
 * ad * * me * * uenturos * * esse *
 number:sing
 gender:neuter
 case:or([nom,acc])
 person:3
 polarity:pos
 c_str
 vg
 selected_reading:uenio_come
 polarity:pos
 cat:vg
 * uenturos * * esse *
 lex:uenire
 mood:infinitive
 tense:future
 voice:active
 number:pl
 gender:masc
 subject
 index:i(p(0,1))
 prep_cplt
 * ad * * me *
 index:i(p(4,5))
 case:acc
 prep:ad
 sem:[hum]
 lex:pp1sg
 cat:pp
 c_str
 prep:ad
 head
 * me *
 index:i(p(4,5))

cat:np
sem:[hum]
lex:pp1sg
number:sing
person:1
gender:or([masc,fem])
case:acc
c_str
pp1sg

Comment : parse OK

% 38 adapted from Tacitus Hist Lib I 16 3.

Mihi ac tibi providendum est ne etiam a bonis Nero desideretur.

[0/mihi,1/ac,2/tibi,3/providendum,4/est,5/ne,6/a,7/bonis,8/nero,9/desideretur,endpos(10)]
cputime : 18.59375

Parse A

13.47--->

```
[illocutionary_force:statement,vg:[selected_reading:est_alicui_have_to_IDIOM,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_99842,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:est,tense:present,kind:std,mood:indicative,numb
er:sing,person:3],subject:
[number:sing,gender:neuter,cat:pred,type:gerund,case:nom,mood:gerund,local_case:acc,class:m,person:3,pathlist:
[p(3,4),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],distance:[0],gap:[],w:9.48,c_str:[vg:
[selected_reading:prouideo_see_to_it_that_not,pos:v,class:tr_cod,type:gerund,lex:prouidere,txt:prouidendum,kind:std,mood:
gerund,person:3,case:acc],object:[cat:pred,type:finite,pathlist:[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],distance:[0],gap:
[],class:m,number:_100514,person:_100526,gender:_100538,case:_100550,mood:subjunctive,tense:present,w:8.49,subordinat
or:ne,argbound:yes,c_str:[ne,[illocutionary_force:statement,vg:[selected_reading:desidero_miss,polarity:pos,cat:vg,pathlist:
[p(9,10)],hp:
[p(9,10)],gender:_100754,w:0,pos:v,class:tr_cod,type:finite,lex:desiderare,voice:pass,txt:desideretur,tense:present,kind:std,mo
od:subjunctive,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:
[0],cat:np,sem:[male],class:proper,lex:nero,lextype:full,person:3,type:core,case:nom,w:1,c_str:nero],agent:[pathlist:
[p(6,7),p(7,8)],hp:[p(7,8)],distance:[0],index:i(p(7,8)),case:abl,prep:ab,sem:[hum],lex:bonus,w:0.5,type:core,cat:pp,c_str:
[prep:ab,head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:adj,number:pl,person:3,gender:fem,type:core,lex:bonus,txt:bonis,case:abl,w:0.5,c_str:
bonis]]]]]],i_object:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(0,1)],index:i([p(0,1)]),distance:[0],sem:
[hum],class:proper,lex:pp1sg,lextype:full,type:core,number:sing,person:1,gender:or([masc,fem]),case:dat,w:1,coord:yes,c_str:
[head:pp1sg,coord:ac,head:pp2sg]]]
```

illocutionary_force:statement

vg

selected_reading:est_alicui_have_to_IDIOM

polarity:pos

cat:vg

* est *

pos:v

lex:esse

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:neuter

cat:pred

case:nom

mood:gerund

local_case:acc

person:3

* prouidendum * * ne * * a * * bonis * * nero * * desideretur *

c_str

vg

selected_reading:prouideo_see_to_it_that_not

pos:v

lex:prouidere

mood:gerund

person:3

case:acc

object
cat:pred
* ne ** a ** bonis ** nero ** desideretur *
mood:subjunctive
tense:present
subordinator
ne

c_str
ne
illocutionary_force:statement
vg
selected_reading:desidero_miss
polarity:pos
cat:vg
* desideretur *
pos:v
lex:desiderare
voice:pass
tense:present
mood:subjunctive
number:sing
person:3
subject
number:sing
gender:masc
* nero *
index:i(p(8,9))
cat:np
sem:[male]
lex:nero
person:3
case:nom
c_str
nero

agent
* a ** bonis *
index:i(p(7,8))
case:abl
prep:ab
sem:[hum]
lex:bonus
cat:pp
c_str
prep:ab
head
* bonis *
index:i(p(7,8))
cat:np
sem:[hum]
number:pl
person:3
gender:fem
lex:bonus
case:abl
c_str
bonis

i_object
* mihi ** ac ** tibi *
index:i([p(0,1)])
sem:[hum]
lex:pp1sg
number:sing
person:1
gender:or([masc,fem])

case:dat
coord:yes
c_str
 head
 pp1sg
 coord:ac
 head
 pp2sg

Comment : Parse OK. Diff between the two parses is gender assigned to bonis : fem vs masc.

Parse B

13.47--->

[illocutionary_force:statement,vg:[selected_reading:est_alicui_have_to_IDIOM,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_102084,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:est,tense:present,kind:std,mood:indicative,num
ber:sing,person:3],subject:
[number:sing,gender:neuter,cat:pred,type:gerund,case:nom,mood:gerund,local_case:acc,class:m,person:3,pathlist:
[p(3,4),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],distance:[0],gap:[],w:9.48,c_str:[vg:
[selected_reading:prouideo_see_to_it_that_not,pos:v,class:tr_cod,type:gerund,lex:prouidere,txt:prouidendum,kind:std,mood:
gerund,person:3,case:acc],object:[cat:pred,type:finite,pathlist:[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],distance:[0],gap:
[],class:m,number:_102756,person:_102768,gender:_102780,case:_102792,mood:subjunctive,tense:present,w:8.49,subordinat
or:ne,argbound:yes,c_str:[ne,[illocutionary_force:statement,vg:[selected_reading:desidero_miss,polarity:pos,cat:vg,pathlist:
[p(9,10)],hp:
[p(9,10)],gender:_102996,w:0,pos:v,class:tr_cod,type:finite,lex:desiderare,voice:pass,txt:desideretur,tense:present,kind:std,mo
od:subjunctive,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:
[0],cat:np,sem:[male],class:proper,lex:nero,lextype:full,person:3,type:core,case:nom,w:1,c_str:nero],agent:[pathlist:
[p(6,7),p(7,8)],hp:[p(7,8)],distance:[0],index:i(p(7,8)),case:abl,prep:ab,sem:[hum],lex:bonus,w:0.5,type:core,cat:pp,c_str:
[prep:ab,head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:adj,number:pl,person:3,gender:masc,type:core,lex:bonus,txt:bonis,case:abl,w:0.5,c_str:
bonis]]]]],i_object:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(0,1)],index:i([p(0,1)]),distance:[0],sem:
[hum],class:proper,lex:pp1sg,lextype:full,type:core,number:sing,person:1,gender:or([masc,fem]),case:dat,w:1,coord:yes,c_str:
[head:pp1sg,coord:ac,head:pp2sg]]]

illocutionary_force:statement
vg
selected_reading:est_alicui_have_to_IDIOM
polarity:pos
cat:vg
* est *
pos:v
lex:esse
voice:act
tense:present
mood:indicative
number:sing
person:3
subject
number:sing
gender:neuter
cat:pred
case:nom
mood:gerund
local_case:acc
person:3
* prouidendum * * ne * * a * * bonis * * nero * * desideretur *
c_str
vg
selected_reading:prouideo_see_to_it_that_not
pos:v
lex:prouidere
mood:gerund
person:3
case:acc
object
cat:pred
* ne * * a * * bonis * * nero * * desideretur *
mood:subjunctive
tense:present
subordinator
ne
c_str
ne

```

illocutionary_force:statement
vg
  selected_reading:desidero_miss
  polarity:pos
  cat:vg
  * desideretur *
  pos:v
  lex:desiderare
  voice:pass
  tense:present
  mood:subjunctive
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * nero *
  index:i(p(8,9))
  cat:np
  sem:[male]
  lex:nero
  person:3
  case:nom
  c_str
  nero
agent
  * a * * bonis *
  index:i(p(7,8))
  case:abl
  prep:ab
  sem:[hum]
  lex:bonus
  cat:pp
  c_str
  prep:ab
  head
    * bonis *
    index:i(p(7,8))
    cat:np
    sem:[hum]
    number:pl
    person:3
    gender:masc
    lex:bonus
    case:abl
    c_str
    bonis
i_object
  * mihi * * ac * * tibi *
  index:i([p(0,1)])
  sem:[hum]
  lex:pp1sg
  number:sing
  person:1
  gender:or([masc,fem])
  case:dat
  coord:yes
  c_str
  head
  pp1sg
  coord:ac
  head
  pp2sg

```

% 39 adapted from Tacitus Hist Lib I 44 1.

Nullam caedem Otho maiore laetitia excepisse dicitur.

[0/nullam,1/caedem,2/otho,3/maiore,4/laetitia,5/excepisse,6/dicitur,endpos(7)]
cputime : 0.234375

4.970000000000001--->

[vg:[polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_86676,w:0,pos:v,class:tr_inf,type:finite,lex:dicere,voice:pass,txt:dicitur,tense:present,kind:std,mood:indicative
,number:sing,person:3],pred:[subject:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[male],class:proper,lex:otho,lextype:full,number:sing,person:3,gender:masc,type:core,case:nom,w:1,c_str:otho],pred:[vg:
[selected_reading:excipio_take_out,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_87202,w:0,pos:v,class:tr_cod,type:nonfinite,lex:excipere,voice:act,txt:excipere,tense:past,kind:std,mood:infini
tive,number:_87334,person:_87346],object:[pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,class:common,sem:[abstract],number:sing,person:3,gender:fem,type:core,lex:caedes,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(1,2)],pos:noun,txt:caedem,lex:caedes,case:acc,gender:fem,class:common,ab:mm,number:sing,sem:
[abstract]],adjp:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:sing,gender:fem,lex:nullus,type:tool,w:1,c_str:nullus]]],adjunct:[pathlist:[p(3,4),p(4,5)],distance:
[0],class:adjunct,value:manner_means,type:core,w:0,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:laetitia,lex:laetitia,case:abl,gender:fem,class:common,ab:mm,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:[p(3,4)],case:abl,number:sing,gender:fem,lex:magnus,type:std,w:1,c_str:magnus]]]]]]]

vg
 polarity:pos
 cat:vg
 * dicitur *
 pos:v
 lex:dicere
 voice:pass
 tense:present
 mood:indicative
 number:sing
 person:3
pred
 subject
 * otho *
 index:i(p(2,3))
 cat:np
 sem:[male]
 lex:otho
 number:sing
 person:3
 gender:masc
 case:nom
 c_str
 otho
 pred
 vg
 selected_reading:excipio_take_out
 polarity:pos
 cat:vg
 * excepisse *
 pos:v
 lex:excipere
 voice:act
 tense:past
 mood:infinitive
 object
 * nullam * * caedem *
 index:i(p(1,2))
 cat:np
 sem:[abstract]

```

number:sing
person:3
gender:fem
lex:caedes
case:acc
c_str
  head
    * caedem *
    pos:noun
    lex:caedes
    case:acc
    gender:fem
    number:sing
    sem:[abstract]
  adjp
    cat:adjp
    * nullam *
    case:acc
    number:sing
    gender:fem
    lex:nullus
    c_str
      nullus
adjunct
  * maiore * * laetitia *
  value:manner_means
  c_str
    head
      * laetitia *
      pos:noun
      lex:laetitia
      case:abl
      gender:fem
      number:sing
      sem:[quality]
    adjp
      cat:adjp
      * maiore *
      case:abl
      number:sing
      gender:fem
      lex:magnus
      c_str
        magnus

```

Comment : parse OK

% 40 adapted from Tacitus Hist Lib I 79 1.

Conversis ad civile bellum animis externa sine cura habebantur.

[0/conuersis,1/ad,2/ciuile,3/bellum,4/animis,5/externa,6/sine,7/cura,8/habebantur,endpos(9)]

cputime : 12.734375

Parse A

7.47--->

```
[illocutionary_force:statement,vg:[selected_reading:habeo_have,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_103708,w:0,pos:v,class:tr_cod,type:finite,lex:habere,voice:pass,txt:habebantur,tense:imperfect,kind:std,mood:
indicative,number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:adj,person:3,type:core,lex:externus,txt:externa,case:nom,w:0.5,c_str:externa],
agent:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,class:pc2np,sem:
[hum,thing,abstract],number:pl,person:3,gender:fem,type:core,lex:anima,lextype:full,case:abl,w:6,type_pp:ppcentered,c_str:
[head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum,thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:anima,txt:animis,case:abl,w:1,c_str:animis],participle_clause:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4)],hp:[p(0,1)],distance:
[0],cat:ppclause,w:4,type:ppcentered,number:pl,gender:fem,lex:conuerto_turn,case:abl,c_str:[past_participle,conuerto_turn,
[prep_cplt:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(3,4)],distance:[0],index:i(p(3,4)),case:acc,prep:ad,sem:[thing],lex:bellum,w:
-1,type:core,cat:pp,c_str:[prep:ad,head:[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,class:common,sem:[thing],number:sing,person:3,gender:neuter,type:core,lex:bellum,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(3,4)],pos:noun,txt:bellum,lex:bellum,case:acc,gender:neuter,class:common,ab:time,number:sing,sem:
[thing]],adjp:[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:acc,number:sing,gender:neuter,lex:ciuilis,type:std,w:1,c_str:ciuilis]]]]]]],prep_phrase_adjunct_2:[pathlist:
[p(6,7),p(7,8)],hp:[p(7,8)],distance:[0],index:i(p(7,8)),case:abl,prep:sine,sem:[abstract],lex:cura,w:1,type:core,cat:pp,c_str:
[prep:sine,head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:cura,txt:cura,case:abl,w:1,c_s
tr:cura]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:habeo_have
  polarity:pos
  cat:vg
  * habebantur *
  pos:v
  lex:habere
  voice:pass
  tense:imperfect
  mood:indicative
  number:pl
  person:3
subject
  number:pl
  gender:neuter
  * externa *
  index:i(p(5,6))
  cat:np
  sem:[abstract,thing]
  person:3
  lex:externus
  case:nom
  c_str
  externa
agent
  * conuersis ** ad ** ciuile ** bellum ** animis *
  index:i(p(4,5))
  cat:np
  sem:[hum,thing,abstract]
  number:pl
```

```

person:3
gender:fem
lex:anima
case:abl
c_str
  head
    * animis *
    index:i(p(4,5))
    cat:np
    sem:[hum,thing,abstract]
    number:pl
    person:3
    gender:fem
    lex:anima
    case:abl
    c_str
      animis
participle_clause
  * conuersis ** ad ** ciuile ** bellum *
  cat:ppclause
  number:pl
  gender:fem
  lex:conuerto_turn
  case:abl
  c_str
    past_participle
    conuerto_turn
    prep_cplt
      * ad ** ciuile ** bellum *
      index:i(p(3,4))
      case:acc
      prep:ad
      sem:[thing]
      lex:bellum
      cat:pp
      c_str
        prep:ad
        head
          * ciuile ** bellum *
          index:i(p(3,4))
          cat:np
          sem:[thing]
          number:sing
          person:3
          gender:neuter
          lex:bellum
          case:acc
          c_str
            head
              * bellum *
              pos:noun
              lex:bellum
              case:acc
              gender:neuter
              number:sing
              sem:[thing]
            adjp
              cat:adjp
              * ciuile *
              case:acc
              number:sing
              gender:neuter
              lex:ciuilis
              c_str

```

ciuilis

prep_phrase_adjunct_2

* sine ** cura *

index:i(p(7,8))

case:abl

prep:sine

sem:[abstract]

lex:cura

cat:pp

c_str

prep:sine

head

* cura *

index:i(p(7,8))

cat:np

sem:[abstract]

number:sing

person:3

gender:fem

lex:cura

case:abl

c_str

cura

Parse B

7.47--->

```
illocutionary_force:statement,vg:[selected_reading:habeo_have,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_103708,w:0,pos:v,class:tr_cod,type:finite,lex:habere,voice:pass,txt:habeantur,tense:imperfect,kind:std,mood:
indicative,number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:adj,person:3,type:core,lex:externus,txt:externa,case:nom,w:0.5,c_str:externa],
agent:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,class:pc2np,sem:
[hum,thing,abstract],number:pl,person:3,gender:fem,type:core,lex:anima,lextype:full,case:abl,w:6,type_pp:ppcentered,c_str:
[head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum,thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:anima,txt:animis,case:abl,w:1,c_str:animis],participle_clause:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4)],hp:[p(0,1)],distance:
[0],cat:ppclause,w:4,type:ppcentered,number:pl,gender:fem,lex:conuerto_turn,case:abl,c_str:[past_participle,conuerto_turn,
[prep_cplt:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(3,4)],distance:[0],index:i(p(3,4)),case:acc,prep:ad,sem:[thing],lex:bellum,w:
-1,type:core,cat:pp,c_str:[prep:ad,head:[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,class:common,sem:[thing],number:sing,person:3,gender:neuter,type:core,lex:bellum,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(3,4)],pos:noun,txt:bellum,lex:bellum,case:acc,gender:neuter,class:common,ab:time,number:sing,sem:
[thing]],adjp:[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:acc,number:sing,gender:neuter,lex:ciuilis,type:std,w:1,c_str:ciuilis]]]]]]],prep_phrase_adjunct_2:[pathlist:
[p(6,7),p(7,8)],hp:[p(7,8)],distance:[0],index:i(p(7,8)),case:abl,prep:sine,sem:[abstract],lex:cura,w:1,type:core,cat:pp,c_str:
[prep:sine,head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:cura,txt:cura,case:abl,w:1,c_s
tr:cura]]]]
```

illocutionary_force:statement

vg

selected_reading:habeo_have

polarity:pos

cat:vg

* habebantur *

pos:v

lex:habere

voice:pass

tense:imperfect

mood:indicative

number:pl

person:3

subject

number:pl

gender:neuter

* externa *

index:i(p(5,6))

cat:np

sem:[abstract,thing]

person:3

lex:externus

case:nom

c_str

externa

agent

* conuersis ** ad ** ciuile ** bellum ** animis *

index:i(p(4,5))

cat:np

sem:[abstract,thing]

number:pl

person:3

gender:masc

lex:animus

case:abl

c_str

head

```

* animis *
index:i(p(4,5))
cat:np
sem:[abstract,thing]
number:pl
person:3
gender:masc
lex:animus
case:abl
c_str
animis
participle_clause
* conuersis ** ad ** ciuile ** bellum *
cat:ppclause
number:pl
gender:masc
lex:conuerto_turn
case:abl
c_str
past_participle
conuerto_turn
prep_cplt
* ad ** ciuile ** bellum *
index:i(p(3,4))
case:acc
prep:ad
sem:[thing]
lex:bellum
cat:pp
c_str
prep:ad
head
* ciuile ** bellum *
index:i(p(3,4))
cat:np
sem:[thing]
number:sing
person:3
gender:neuter
lex:bellum
case:acc
c_str
head
* bellum *
pos:noun
lex:bellum
case:acc
gender:neuter
number:sing
sem:[thing]
adjp
cat:adjp
* ciuile *
case:acc
number:sing
gender:neuter
lex:ciuilis
c_str
ciuilis
prep_phrase_adjunct_2
* sine ** cura *
index:i(p(7,8))
case:abl
prep:sine

```

sem:[abstract]
lex:cura
cat:pp
c_str
 prep:sine
 head
 * cura *
 index:i(p(7,8))
 cat:np
 sem:[abstract]
 number:sing
 person:3
 gender:fem
 lex:cura
 case:abl
 c_str
 cura

Comment : parses OK, diff is in 'origin' feature of 'externus' (no incidence on parse as such). Both parses propose an agent reading of 'conversis animis', not an AA reading (ablatif absolu)

% 41 Tacitus Ann 16 34 1 a.

Arriam tentantem exemplum matris sequi monet retinere vitam.

[0/arriam,1/tentantem,2/exemplum,3/matris,4/sequi,5/monet,6/retinere,7/uitam,endpos(8)]

cputime : 2.375

11.5--->

[illocutionary_force:statement,vg:[selected_reading:moneo_advise,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_87854,w:0,pos:v,class:tr_cod,type:finite,lex:monere,voice:act,txt:monet,tense:present,kind:std,mood:indicativ
e,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_88046,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,class:pc2np,sem:
[female],number:sing,person:3,gender:fem,type:core,lex:arria,lextype:full,case:acc,w:7.5,type_pp:pprcentered,c_str:[head:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[female],class:proper,lex:arria,lextype:full,number:sing,person:3,gender:fem,type:core,case:acc,w:1,c_str:arria],participle_claus
e:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(1,2)],distance:
[0],cat:ppclause,w:5.5,type:pprcentered,number:sing,gender:or([masc,fem]),lex:tento_try,case:acc,c_str:
[present_participle,tento_try],[object:[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(2,3),p(3,4),p(4,5)],distance:
[0],number:_89056,gender:_89068,person:_89080,case:or([nom,acc]),sem:_89120,polarity:pos,gap:_89144,w:2.5,flagint:no,c_
str:[vg:[selected_reading:sequor_follow,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_89288,w:0,pos:v,class:tr_cod,type:nonfinite,lex:sequi_2,voice:act,txt:sequi,tense:present,kind:dep,mood:infini
tive,number:_89420,person:_89432],object:[pathlist:[p(2,3),p(3,4)],hp:[p(2,3)],index:i([p(2,3)]),distance:[0],sem:
[thing,abstract],number:sing,person:3,cat:np,lex:exemplum,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1.5,c_
str:[head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:exemplum,txt:exemp
lum,case:acc,w:1,c_str:exemplum],noun_cplt:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:mater,txt:matris,case:gen,w:1,c_
str:matris]]]]]]]]],cplt:[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:[p(6,7),p(7,8)],distance:
[0],number:_90368,gender:_90380,person:_90392,case:or([nom,acc]),sem:_90432,polarity:pos,gap:_90456,w:2,flagint:no,c_st
r:[vg:[selected_reading:retineo_keep,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_90594,w:0,pos:v,class:tr_cod,type:nonfinite,lex:retinere,voice:act,txt:retinere,tense:present,kind:std,mood:infi
nitive,number:_90726,person:_90738],object:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[thing,abstract,time],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:uita,txt:uitam,case:
acc,w:1,c_str:uitam]]]]]

illocutionary_force:statement

vg

selected_reading:moneo_advise

polarity:pos

cat:vg

* monet *

pos:v

lex:monere

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

source:context_retrievable

number:sing

person:3

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* arriam * tentantem * exemplum * matris * sequi *

index:i(p(0,1))

cat:np

sem:[female]

```

number:sing
person:3
gender:fem
lex:arria
case:acc
c_str
  head
    * arriam *
    index:i(p(0,1))
    cat:np
    sem:[female]
    lex:arria
    number:sing
    person:3
    gender:fem
    case:acc
    c_str
      arria
participle_clause
  * tentantem * * exemplum * * matris * * sequi *
  cat:ppclause
  number:sing
  gender:or([masc,fem])
  lex:tento_try
  case:acc
  c_str
    present_participle
    tento_try
    object
      cat:pred
      mood:infinitive
      tense:present
      * exemplum * * matris * * sequi *
      case:or([nom,acc])
      polarity:pos
      c_str
        vg
          selected_reading:sequor_follow
          polarity:pos
          cat:vg
          * sequi *
          pos:v
          lex:sequi_2
          voice:act
          tense:present
          mood:infinitive
        object
          * exemplum * * matris *
          index:i([p(2,3)])
          sem:[thing,abstract]
          number:sing
          person:3
          cat:np
          lex:exemplum
          gender:neuter
          case:acc
          c_str
            head
              * exemplum *
              index:i(p(2,3))
              cat:np
              sem:[thing,abstract]
              number:sing
              person:3

```



```

gender:neuter
lex:exemplum
case:acc
c_str
exemplum
noun_cplt
* matris *
index:i(p(3,4))
cat:np
sem:[hum]
number:sing
person:3
gender:fem
lex:mater
case:gen
c_str
matris

cplt
cat:pred
mood:infinitive
tense:present
* retinere * * uitam *
case:or([nom,acc])
polarity:pos
c_str
vg
selected_reading:retineo_keep
polarity:pos
cat:vg
* retinere *
pos:v
lex:retinere
voice:act
tense:present
mood:infinitive
object
* uitam *
index:i(p(7,8))
cat:np
sem:[thing,abstract,time]
number:sing
person:3
gender:fem
lex:uita
case:acc
c_str
uitam

```

Comment : parse OK

% 41 Tacitus Ann 16 34 1 b.

Arriam monet filiae communi subsidium unicum non adimere.

[0/arriam,1/monet,2/filiae,3/communi,4/subsidium,5/unicum,6/non,7/adimere,endpos(8)]
cputime : 1.421875

8.98--->

[illocutionary_force:statement,vg:[selected_reading:moneo_advise,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_90056,w:0,pos:v,class:tr_cod,type:finite,lex:monere,voice:act,txt:monet,tense:present,kind:std,mood:indicativ
e,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_90248,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[female],class:proper,lex:arria,lextype:full,number:sing,person:3,gender:fem,type:core,case:acc,w:1,c_str:arria],cplt:
[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:
[0],number:_90810,gender:_90822,person:_90834,case:or([nom,acc]),sem:_90874,polarity:neg,gap:_90898,w:5.98,flagint:no,c
_str:[vg:[selected_reading:adimo_deprive,polarity:neg,w:0,pathlist:[p(6,7),p(7,8)],cat:vg,hp:
[p(7,8)],gender:_91060,pos:v,class:tr_cod,type:nonfinite,lex:adimere,voice:act,txt:adimere,tense:present,kind:std,mood:infiniti
ve,number:_91180,person:_91192],object:[pathlist:[p(4,5),p(5,6)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,class:common,sem:
[abstract],number:sing,person:3,gender:neuter,type:core,lex:subsidium,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:subsidium,lex:subsidium,case:acc,gender:neuter,class:common,ab:no,number:sing,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:acc,number:sing,gender:neuter,lex:unicus,type:std,w:1,c_str:unicus]],i_object:[pathlist:[p(2,3),p(3,4)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:common,sem:
[hum],number:sing,person:3,gender:fem,type:core,lex:filiae,lextype:full,case:dat,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:filiae,lex:filiae,case:dat,gender:fem,class:common,ab:no,number:sing,sem:[hum]],adjp:[cat:adjp,pathlist:
[p(3,4)],distance:[0],hp:[p(3,4)],case:dat,number:sing,gender:fem,lex:communis,type:std,w:1,c_str:communis]]]]]]

illocutionary_force:statement

vg

selected_reading:moneo_advise

polarity:pos

cat:vg

* monet *

pos:v

lex:monere

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

source:context_retrievable

number:sing

person:3

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* arriam *

index:i(p(0,1))

cat:np

sem:[female]

lex:arria

number:sing

person:3

gender:fem

case:acc

c_str

arria

```

cplt
  cat:pred
  mood:infinitive
  tense:present
  * filiae * * communi * * subsidium * * unicum * * non * * adimere *
  case:or([nom,acc])
  polarity:neg
  c_str
    vg
      selected_reading:adimo_deprive
      polarity:neg
      * non * * adimere *
      cat:vg
      pos:v
      lex:adimere
      voice:act
      tense:present
      mood:infinitive
    object
      * subsidium * * unicum *
      index:i(p(4,5))
      cat:np
      sem:[abstract]
      number:sing
      person:3
      gender:neuter
      lex:subsidium
      case:acc
      c_str
        head
          * subsidium *
          pos:noun
          lex:subsidium
          case:acc
          gender:neuter
          number:sing
          sem:[abstract]
        adjp
          cat:adjp
          * unicum *
          case:acc
          number:sing
          gender:neuter
          lex:unicus
          c_str
            unicus
      i_object
        * filiae * * communi *
        index:i(p(2,3))
        cat:np
        sem:[hum]
        number:sing
        person:3
        gender:fem
        lex:filia
        case:dat
        c_str
          head
            * filiae *
            pos:noun
            lex:filia
            case:dat
            gender:fem
            number:sing

```

sem:[hum]
adjp
cat:adjp
* communi *
case:dat
number:sing
gender:fem
lex:communis
c_str
communis

Comment : parse OK. Note that the original complex sentence in Tacitus has been broken down in two more manageable units.

cat:pred
 mood:infinitive
 tense:past
 * uitellianos * * milites * * uenisse * * in * * urbem * * ad * * studia * * partium * * noscenda *
 number:sing
 gender:neuter
 case:or([nom,acc])
 person:3
 polarity:pos
 c_str
 vg
 selected_reading:uenio_come
 polarity:pos
 cat:vg
 * uenisse *
 gender:masc
 pos:v
 lex:uenire
 voice:act
 tense:past
 mood:infinitive
 number:pl
 subject
 number:pl
 gender:masc
 * uitellianos * * milites *
 index:i(p(1,2))
 cat:np
 sem:[hum]
 person:3
 lex:miles
 case:acc
 c_str
 head
 * milites *
 pos:noun
 lex:miles
 case:acc
 gender:masc
 number:pl
 sem:[hum]
 adjp
 cat:adjp
 * uitellianos *
 case:acc
 number:pl
 gender:masc
 lex:uitellianus
 c_str
 uitellianus
 prep_cplt
 * in * * urbem *
 index:i(p(4,5))
 case:acc
 prep:in
 sem:[hum,thing,loc]
 lex:urbs
 cat:pp
 c_str
 prep:in
 head
 * urbem *
 index:i(p(4,5))
 cat:np

```

    sem:[hum,thing,loc]
    number:sing
    person:3
    gender:fem
    lex:urbs
    case:acc
    c_str
    urbem
adjunct
  * ad ** studia ** partium ** noscenda *
  value:purpose
  c_str
  prep:ad
  head
    cat:pred
    subtype:gerundive
    case:acc
    mood:gerund
    local_case:acc
    number:sing
    person:3
    gender:neuter
    * studia ** partium ** noscenda *
  c_str
    vg
      selected_reading:novi_know
      pos:gdiv
      case:acc
      gender:neuter
      number:pl
      lex:noscere
      mood:gerund
      person:3
    object
      * studia ** partium *
      index:i([p(6,7)])
      sem:[abstract]
      number:pl
      person:3
      cat:np
      lex:studium
      gender:neuter
      case:acc
      c_str
        head
          * studia *
          index:i(p(6,7))
          cat:np
          sem:[abstract]
          number:pl
          person:3
          gender:neuter
          lex:studium
          case:acc
          c_str
            studia
        noun_cplt
          * partium *
          index:i(p(7,8))
          cat:np
          sem:[abstract,thing,hum,loc]
          number:pl
          person:3
          gender:fem

```

lex:pars
case:gen
c_str
partium

Comment : parse OK

% 43 Tacitus Hist Lib I 46 1.

Omnia deinde arbitrio militum acta.

[0/omnia,1/deinde,2/arbitrio,3/militum,4/acta,endpos(5)]

cputime : 0.734375

6--->

[illocutionary_force:statement,vg:[selected_reading:ago_do,polarity:pos,cat:vg,type:finite,pathlist:[p(4,5)],hp:[p(4,5)],lex:agere,person:3,mood:indicative,tense:perfect,voice:pass,number:pl,gender:neuter,w:5],subject:[number:pl,gender:neuter,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:[thing,abstract],class:indef,lex:omnis,person:3,type:core,case:nom,w:1,c_str:omnis],adjunct:[pathlist:[p(2,3),p(3,4)],distance:[0],class:adjunct,value:manner_means,type:full,w:0,c_str:[head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:[abstract,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:arbitrium,txt:arbitrio,case:abl,w:1,c_str:arbitrio],noun_cplt:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:miles,txt:militum,case:gen,w:1,c_str:militum]]],adverbial_adjunct:[cat:advp,pathlist:[p(1,2)],distance:[0],type:vpbound,lex:deinde,sem:time,w:1,c_str:[head:deinde]]]

illocutionary_force:statement

vg

selected_reading:ago_do

polarity:pos

cat:vg

* acta *

lex:agere

person:3

mood:indicative

tense:perfect

voice:pass

number:pl

gender:neuter

subject

number:pl

gender:neuter

* omnia *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

lex:omnis

person:3

case:nom

c_str

omnis

adjunct

* arbitrio * * militum *

value:manner_means

c_str

head

* arbitrio *

index:i(p(2,3))

cat:np

sem:[abstract,thing]

number:sing

person:3

gender:neuter

lex:arbitrium

case:abl

c_str

arbitrio

noun_cplt

* militum *

index:i(p(3,4))

cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:miles
case:gen
c_str
 militum
adverbial_adjunct
cat:advp
* deinde *
lex:deinde
sem:time
c_str
 head
 deinde

Comment : parse OK

% 44 Tacitus Hist Lib I 46 1.

Praetorii praefectos sibi ipsi legere.

[0/praetorii,1/praefectos,2/sibi,3/ipsi,4/legere,endpos(5)]
cputime : 1.0

5.47--->

[illocutionary_force:statement,vg:[selected_reading:lego_choose,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_84468,w:0,pos:v,class:tr_cod,type:finite,lex:legere,voice:act,txt:legere,tense:perfect,kind:std,mood:indicative,n
umber:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:dem,lex:pr_ipse,person:3,type:core,case:nom,w:1,c_str:pr_ipse],object:[pathlist:[p(0,1),p(1,2)],hp:
[p(1,2)],index:i([p(1,2)]),distance:[0],sem:
[hum],number:pl,person:3,cat:np,lex:praefectus,lextype:full,gender:masc,type:full,case:acc,class:common,w:1.5,c_str:[head:
[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:praefectus,txt:praefectos,case:acc
,w:1,c_str:praefectos],noun_cplt:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum,thing,abstract,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:praetorium,
txt:praetorii,case:gen,w:1,c_str:praetorii]]],i_object:[number:pl,gender:masc,pathlist:[p(2,3)],hp:
[p(2,3)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp3refl,emphasis:no,person:3,type:core,case:dat,w:1,c_str:pp3refl]]

illocutionary_force:statement

vg

selected_reading:lego_choose

polarity:pos

cat:vg

* legere *

pos:v

lex:legere

voice:act

tense:perfect

mood:indicative

number:pl

person:3

subject

number:pl

gender:masc

* ipsi *

index:i(p(3,4))

cat:np

sem:[hum]

lex:pr_ipse

person:3

case:nom

c_str

pr_ipse

object

* praetorii * * praefectos *

index:i([p(1,2)])

sem:[hum]

number:pl

person:3

cat:np

lex:praefectus

gender:masc

case:acc

c_str

head

* praefectos *

index:i(p(1,2))

cat:np

sem:[hum]
number:pl
person:3
gender:masc
lex:praefectus
case:acc
c_str
praefectos
noun_cplt
* praetorii *
index:i(p(0,1))
cat:np
sem:[hum,thing,abstract,loc]
number:sing
person:3
gender:neuter
lex:praetorium
case:gen
c_str
praetorii
i_object
number:pl
gender:masc
* sibi *
index:i(p(3,4))
cat:np
sem:[hum]
lex:pp3refl
emphasis:no
person:3
case:dat
c_str
pp3refl

Comment : parse OK

Non scribit cuius carmina nemo legit.

Parse A

```
[illocutionary_force:statement,vg:[selected_reading:scribo_write,polarity:neg,w:0,pathlist:[p(0,1),p(1,2)],cat:vg,hp:
[p(1,2)],gender:_85352,pos:v,class:tr_cod,type:finite,lex:scribere,voice:act,txt:scribit,tense:present,kind:std,mood:indicative,nu
mber:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(3,4),p(4,5),p(5,6)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,sem:[hum],person:3,case:nom,lex:dummy_np,w:2/3,c_str:[head:
[lex:dummy_np,number:sing,gender:masc,person:3,index:_85814,rel_clause:[head:carmina,rel_clause:
[illocutionary_force:statement,vg:[selected_reading:lego_read,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_85964,w:0,pos:v,class:tr_cod,type:finite,lex:legere,voice:act,txt:legit,tense:present,kind:std,mood:indicative,nu
mber:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:indef,lex:nemo,person:3,type:core,case:nom,w:1,c_str:nemo],object:[ei(p(3,4))]]]]]]]
```

```

illocutionary_force:statement
vg
  selected_reading:scribo_write
  polarity:neg
  * non ** scribit *
  cat:vg
  pos:v
  lex:scribere
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * cuius ** carmina ** nemo ** legit *
  cat:np
  index:dummy_np
  sem:[hum]
  person:3
  case:nom
  lex:dummy_np
  c_str
    head
      lex:dummy_np
      number:sing
      gender:masc
      person:3
      rel_clause
        head
          carmina
          rel_clause
            illocutionary_force:statement
            vg
              selected_reading:lego_read
              polarity:pos
              cat:vg
              * legit *
              pos:v

```

lex:legere
voice:act
tense:present
mood:indicative
number:sing
person:3
subject
 number:sing
 gender:masc
 * nemo *
 index:i(p(4,5))
 cat:np
 sem:[hum]
 lex:nemo
 person:3
 case:nom
 c_str
 nemo
object
 e:i(p(3,4))

Parse B

0.6666666666666666--->

```
[illocutionary_force:statement,vg:[selected_reading:scribo_write,polarity:neg,w:0,pathlist:[p(0,1),p(1,2)],cat:vg,hp:
[p(1,2)],gender:_86536,pos:v,class:tr_cod,type:finite,lex:scribere,voice:act,txt:scribit,tense:present,kind:std,mood:indicative,nu
mber:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(3,4),p(4,5),p(5,6)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,sem:[hum],person:3,case:nom,lex:dummy_np,w:2/3,c_str:[head:
[lex:dummy_np,number:sing,gender:masc,person:3,index:_86998,rel_clause:[head:carmina,rel_clause:
[illocutionary_force:statement,vg:[selected_reading:lego_read,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_87148,w:0,pos:v,class:tr_cod,type:finite,lex:legere,voice:act,txt:legit,tense:perfect,kind:std,mood:indicative,nu
mber:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:indef,lex:nemo,person:3,type:core,case:nom,w:1,c_str:nemo],object:[e:i(p(3,4))]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:scribo_write
  polarity:neg
  * non ** scribit *
  cat:vg
  pos:v
  lex:scribere
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * cuius ** carmina ** nemo ** legit *
  cat:np
  index:dummy_np
  sem:[hum]
  person:3
  case:nom
  lex:dummy_np
  c_str
    head
      lex:dummy_np
      number:sing
      gender:masc
      person:3
      rel_clause
        head
          carmina
          rel_clause
            illocutionary_force:statement
            vg
              selected_reading:lego_read
              polarity:pos
              cat:vg
              * legit *
              pos:v
              lex:legere
              voice:act
              tense:perfect
              mood:indicative
              number:sing
              person:3
            subject
              number:sing
              gender:masc
```

```
* nemo *  
index:i(p(4,5))  
cat:np  
sem:[hum]  
lex:nemo  
person:3  
case:nom  
c_str  
nemo  
object  
e:i(p(3,4))
```

Comment : parses differ in tense assigned to legit : present vs perfect

% 46 Ovidius Ars Amatoria 2 658.

Nominibus mollire licet mala.

[0/nominibus,1/mollire,2/licet,3/mala,endpos(4)]

cputime : 0.0625

Parse A

1.49--->

[illocutionary_force:statement,vg:[selected_reading:licet_permission_is_given_to,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_83334,w:0,pos:v,class:vimp,type:finite,lex:licet,voice:act,txt:licet,tense:present,kind:std,mood:indicative,numb
er:_83466,person:_83478],subject:
[number:_83466,gender:_83514,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(1,2),p(3,4)],distance:[0],person:_83478,case:or([nom,acc]),sem:_83680,polarity:pos,gap:_83704,w:1.49,flagint:no,c_str:[vg:
[selected_reading:mollio_appease,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_83848,w:0,pos:v,class:tr_cod,type:nonfinite,lex:mollire,voice:act,txt:mollire,tense:present,kind:std,mood:infin
itive,number:_83980,person:_83992],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:adj,number:pl,person:3,gender:neuter,type:core,lex:malus,txt:mala,case:acc,w
:0.5,c_str:mala]]],adjunct:[pathlist:[p(0,1)],distance:[0],class:adjunct,value:manner_means,type:core,w:0,c_str:nominibus]]

illocutionary_force:statement

vg

selected_reading:licet_permission_is_given_to

polarity:pos

cat:vg

* licet *

pos:v

lex:licet

voice:act

tense:present

mood:indicative

subject

cat:pred

mood:infinitive

tense:present

* mollire * * mala *

case:or([nom,acc])

polarity:pos

c_str

vg

selected_reading:mollio_appease

polarity:pos

cat:vg

* mollire *

pos:v

lex:mollire

voice:act

tense:present

mood:infinitive

object

* mala *

index:i(p(3,4))

cat:np

sem:[abstract,thing]

number:pl

person:3

gender:neuter

lex:malus

case:acc

c_str

mala

adjunct

* nominibus *

value:manner_means
c_str
nominibus

Comment : diff between parses lies in attachment of 'nominibus'

Parse B

1.49--->

```
[illocutionary_force:statement,vg:[selected_reading:licet_permission_is_given_to,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_84524,w:0,pos:v,class:vimp,type:finite,lex:licet,voice:act,txt:licet,tense:present,kind:std,mood:indicative,numb
er:_84656,person:_84668],subject:
[number:_84656,gender:_84704,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(0,1),p(1,2),p(3,4)],distance:
[0],person:_84668,case:or([nom,acc]),sem:_84882,polarity:pos,gap:_84906,w:1.49,flagint:no,c_str:[vg:
[selected_reading:mollio_appease,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_85050,w:0,pos:v,class:tr_cod,type:nonfinite,lex:mollire,voice:act,txt:mollire,tense:present,kind:std,mood:infin
itive,number:_85182,person:_85194],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:adj,number:pl,person:3,gender:neuter,type:core,lex:malus,txt:mala,case:acc,w
:0.5,c_str:mala],adjunct:[pathlist:[p(0,1)],distance:[0],class:adjunct,value:manner_means,type:core,w:0,c_str:nominibus]]]]
```

illocutionary_force:statement

vg

selected_reading:licet_permission_is_given_to

polarity:pos

cat:vg

* licet *

pos:v

lex:licet

voice:act

tense:present

mood:indicative

subject

cat:pred

mood:infinitive

tense:present

* nominibus * * mollire * * mala *

case:or([nom,acc])

polarity:pos

c_str

vg

selected_reading:mollio_appease

polarity:pos

cat:vg

* mollire *

pos:v

lex:mollire

voice:act

tense:present

mood:infinitive

object

* mala *

index:i(p(3,4))

cat:np

sem:[abstract,thing]

number:pl

person:3

gender:neuter

lex:malus

case:acc

c_str

mala

adjunct

* nominibus *

value:manner_means

c_str

nominibus

Una defensio occurrit quod muneribus tuis obniti non debui.

Parse A

```

illocutionary_force:statement
vg
  selected_reading:occurro_occur
  polarity:pos
  cat:vg
  * occurrit *
  pos:v
  lex:occurrere
  voice:act
  tense:present
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:fem
  * una ** defensio ** quod ** muneribus ** tuis ** obniti ** non ** debui *
  index:i([p(1,2)])
  sem:[abstract]
  person:3
  cat:np
  lex:defensio
  case:nom
  c_str
    head
      * una ** defensio *
      index:i(p(1,2))
      cat:np

```

```

sem:[abstract]
number:sing
person:3
gender:fem
lex:defensio
case:nom
c_str
  head
    * defensio *
    pos:noun
    lex:defensio
    case:nom
    gender:fem
    number:sing
    sem:[abstract]
  adjp
    cat:adjp
    * una *
    case:nom
    number:sing
    gender:fem
    lex:unus
    c_str
      unus
  apposition
    cat:pred
    * quod ** muneribus ** tuis ** obniti ** non ** debui *
    number:sing
    person:3
    gender:neuter
    case:nom
    mood:indicative
    tense:perfect
    subordinator
      lex:quod
      pos:sub
      mood:indicative
      value:reason
    c_str
      quod
      illocutionary_force:statement
      vg
        selected_reading:obnitor_oppose
        polarity:neg
        * obniti ** non ** debui *
        cat:vg
        aux:debere
        value:deontic
        lex:obniti
        person:1
        mood:indicative
        tense:perfect
        voice:act
        number:sing
      subject
        source:context_retrievable
        number:sing
        gender:or([masc,fem])
        person:1
        cat:np
        index:i(0,0)
        constraints_to_be_met:[sem:[hum]]
        case:nom
      i_object

```

* muneribus * * tuis *
index:i(p(4,5))
cat:np
sem:[abstract,thing]
number:pl
person:3
gender:neuter
lex:munus
case:dat
c_str
 head
 * muneribus *
 pos:noun
 lex:munus
 case:dat
 gender:neuter
 number:pl
 sem:[abstract,thing]
 adjp
 cat:adjp
 * tuis *
 case:dat
 number:pl
 gender:neuter
 lex:tuus
 c_str
 tuus

Parse B

13-->

```
[illocutionary_force:statement,vg:[selected_reading:occurro_occur,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_100128,w:0,pos:v,class:intr,type:finite,lex:occurrere,voice:act,txt:occurrit,tense:perfect,kind:std,mood:indicati
ve,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(0,1),p(1,2),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],hp:
[p(1,2)],index:i([p(1,2)]),distance:[0],sem:
[abstract],person:3,cat:np,lex:defensio,lextype:full,type:full,case:nom,class:common,w:13,c_str:[head:[pathlist:
[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:common,sem:
[abstract],number:sing,person:3,gender:fem,type:core,lex:defensio,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:defensio,lex:defensio,case:nom,gender:fem,class:common,ab:mm,number:sing,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:sing,gender:fem,lex:unus,type:tool,w:1,c_str:unus]]],apposition:[cat:pred,type:finite,class:s,pathlist:
[p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],distance:[0],gap:
[],number:sing,person:3,gender:neuter,case:nom,mood:indicative,tense:perfect,w:8,subordinator:
[lex:quod,pos:sub,argbound:no,mood:indicative,value:reason],argbound:no,c_str:[quod,[illocutionary_force:statement,vg:
[selected_reading:obnitor_oppose,polarity:neg,w:3,pathlist:[p(6,7),p(7,8),p(8,9)],cat:vg,aux:debere,value:deontic,type:finite,hp:
[p(6,7)],lex:obniti,person:1,mood:indicative,tense:perfect,voice:act,number:sing,gender:_101714],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],i_object:[pathlist:[p(4,5),p(5,6)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,class:common,sem:
[abstract,thing],number:pl,person:3,gender:neuter,type:core,lex:munus,lextype:full,case:dat,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:muneribus,lex:munus,case:dat,gender:neuter,class:common,ab:no,number:pl,sem:[abstract,thing]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:[p(5,6)],case:dat,number:pl,gender:neuter,lex:tuus,type:poss,w:1,c_str:tuus]]]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:occurro_occur

polarity:pos

cat:vg

* occurrit *

pos:v

lex:occurrere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* una ** defensio ** quod ** muneribus ** tuis ** obniti ** non ** debui *

index:i([p(1,2)])

sem:[abstract]

person:3

cat:np

lex:defensio

case:nom

c_str

head

* una ** defensio *

index:i(p(1,2))

cat:np

sem:[abstract]

number:sing

person:3

gender:fem

lex:defensio

case:nom

c_str

head

* defensio *

```

pos:noun
lex:defensio
case:nom
gender:fem
number:sing
sem:[abstract]
adjp
  cat:adjp
  * una *
  case:nom
  number:sing
  gender:fem
  lex:unus
  c_str
  unus
apposition
  cat:pred
  * quod ** muneribus ** tuis ** obniti ** non ** debui *
  number:sing
  person:3
  gender:neuter
  case:nom
  mood:indicative
  tense:perfect
  subordinator
    lex:quod
    pos:sub
    mood:indicative
    value:reason
  c_str
  quod
    illocutionary_force:statement
  vg
    selected_reading:obnitor_oppose
    polarity:neg
    * obniti ** non ** debui *
    cat:vg
    aux:debere
    value:deontic
    lex:obniti
    person:1
    mood:indicative
    tense:perfect
    voice:act
    number:sing
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
  i_object
    * muneribus ** tuis *
    index:i(p(4,5))
    cat:np
    sem:[abstract,thing]
    number:pl
    person:3
    gender:neuter
    lex:munus
    case:dat

```



```
c_str
  head
    * muneribus *
    pos:noun
    lex:munus
    case:dat
    gender:neuter
    number:pl
    sem:[abstract,thing]
  adjp
    cat:adjp
    * tuis *
    case:dat
    number:pl
    gender:neuter
    lex:tuus
    c_str
    tuus
```

Comment : diff between parses in tense assigned to occurrit : present vs perfect

% 48 Tacitus Ann 14 10 1.

A Caesare perfecto demum scelere magnitudo eius intellecta est.

[0/a,1/caesare,2/perfecto,3/demum,4/scelere,5/magnitudo,6/eius,7/intellecta,8/est,endpos(9)]

cputime : 27.828125

25.45--->

[illocutionary_force:statement,vg:[selected_reading:intellego_understand,polarity:pos,cat:vg,type:finite,pathlist:
[p(7,8),p(8,9)],hp:
[p(7,8)],lex:intellegere,person:3,mood:indicative,tense:perfect,voice:pass,number:sing,gender:fem,w:20],subject:
[number:sing,gender:fem,pathlist:[p(5,6),p(6,7)],hp:[p(5,6)],index:i([p(5,6)]),distance:[0],sem:
[abstract],person:3,cat:np,lex:magnitudo,lextype:full,type:full,case:nom,class:common,w:1.5,c_str:[head:[pathlist:[p(5,6)],hp:
[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:magnitudo,txt:magnitudo,case:
nom,w:1,c_str:magnitudo],noun_cplt:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:
[0],cat:np,sem:_94406,class:proper,lex:prpersgen3gsing,number:sing,person:3,gender:or([masc,fem,neuter]),type:core,case:ge
n,w:1,c_str:prpersgen3gsing]],agent:[pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],distance:[0],index:i(p(1,2)),case:abl,prep:ab,sem:
[male],lex:caesar,w:1,type:core,cat:pp,c_str:[prep:ab,head:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[male],class:proper,lex:caesar,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:caesar]],ablative_abs
olute:[pathlist:[p(2,3),p(3,4),p(4,5)],distance:[0],w:7,c_str:[lex:perficio_carry_out,
[pos:p_p,txt:perfecto,case:abl,gender:neuter,number:sing,lex:perficere,class:tr_cod,type:p_p,kind:std,mood:participle,person:
3],[adverbial_adjunct:[cat:advp,pathlist:[p(3,4)],distance:[0],type:vpbound,lex:demum,sem:time,w:1,c_str:
[head:demum]]],object:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:scelus,txt:scelere,case:abl,
w:1,c_str:scelere]]]]]

illocutionary_force:statement

vg

selected_reading:intellego_understand

polarity:pos

cat:vg

* intellecta * * est *

lex:intellegere

person:3

mood:indicative

tense:perfect

voice:pass

number:sing

gender:fem

subject

number:sing

gender:fem

* magnitudo * * eius *

index:i([p(5,6)])

sem:[abstract]

person:3

cat:np

lex:magnitudo

case:nom

c_str

head

* magnitudo *

index:i(p(5,6))

cat:np

sem:[abstract]

number:sing

person:3

gender:fem

lex:magnitudo

case:nom

c_str

magnitudo

noun_cplt

* eius *

```

    index:i(p(6,7))
    cat:np
    lex:prpersgen3gsing
    number:sing
    person:3
    gender:or([masc,fem,neuter])
    case:gen
    c_str
    prpersgen3gsing
agent
  * a * * caesare *
  index:i(p(1,2))
  case:abl
  prep:ab
  sem:[male]
  lex:caesar
  cat:pp
  c_str
  prep:ab
  head
  * caesare *
  index:i(p(1,2))
  cat:np
  sem:[male]
  lex:caesar
  number:sing
  person:3
  gender:masc
  case:abl
  c_str
  caesar
ablative_absolute
  * perfecto * * demum * * scelere *
  c_str
  lex:perficio_carry_out
  pos:p_p
  case:abl
  gender:neuter
  number:sing
  lex:perficere
  mood:participle
  person:3
  adverbial_adjunct
  cat:advp
  * demum *
  lex:demum
  sem:time
  c_str
  head
  demum
object
  * scelere *
  index:i(p(4,5))
  cat:np
  sem:[abstract]
  number:sing
  person:3
  gender:neuter
  lex:scelus
  case:abl
  c_str
  scelere

```

Comment : parse OK

% 49 Horatius Ep 1 xiii 16.

Ne volgo narres te sudavisse ferendo carmina.

[0/ne,1/uolgo,2/narres,3/te,4/sudavisse,5/ferendo,6/carmina,endpos(7)]

cputime : 1.15625

10--->

[illocutionary_force:prohibition,[illocutionary_force:statement,vg:
[selected_reading:narro_tell_that,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_94194,w:0,pos:v,class:tr_cod,type:finite,lex:narrare,voice:act,txt:narres,tense:present,kind:std,mood:subjuncti
ve,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite,mood:infinitive,tense:past,class:m,pathlist:
[p(3,4),p(4,5),p(5,6),p(6,7)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_94778,w:7,flagint:no,c_str:[vg:
[selected_reading:sudo_sweat,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:or([masc,fem]),w:0,pos:v,class:intr,type:nonfinite,lex:sudare,voice:act,txt:sudare,tense:past,kind:std,mood:infin
itive,number:sing,person:_95076],subject:[number:sing,gender:or([masc,fem]),pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,person:2,type:core,case:acc,w:1,c_str:pp2sg],adjunct:[pathlist:[p(5,6),p(6,7)],distance:
[0],class:adjunct,value:manner_means,type:manner_means,w:2,c_str:[vg:
[selected_reading:fero_bear,pos:v,class:v_ferre,type:gerund,lex:ferre,txt:ferendo,kind:std,mood:gerund,person:3,case:abl],obj
ect:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:carmen,txt:carmina,case:acc,w:1,c_str:carmina]]]],adverbial_adjunct:[cat:advp,pathlist:[p(1,2)],distance:
[0],type:vpbound,lex:uolgo,sem:manner_means,w:1,c_str:[head:uolgo]]]]

illocutionary_force:prohibition
illocutionary_force:statement
vg
selected_reading:narro_tell_that
polarity:pos
cat:vg
* narres *
pos:v
lex:narrare
voice:act
tense:present
mood:subjunctive
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
cat:pred
mood:infinitive
tense:past
* te ** sudavisse ** ferendo ** carmina *
number:sing
gender:neuter
case:or([nom,acc])
person:3
polarity:pos

```

c_str
  vg
    selected_reading:sudo_sweat
    polarity:pos
    cat:vg
    * sudauisse *
    gender:or([masc,fem])
    pos:v
    lex:sudare
    voice:act
    tense:past
    mood:infinitive
    number:sing
  subject
    number:sing
    gender:or([masc,fem])
    * te *
    index:i(p(3,4))
    cat:np
    sem:[hum]
    lex:pp2sg
    person:2
    case:acc
    c_str
      pp2sg
  adjunct
    * ferendo * * carmina *
    value:manner_means
    c_str
      vg
        selected_reading:fero_bear
        pos:v
        lex:ferre
        mood:gerund
        person:3
        case:abl
      object
        * carmina *
        index:i(p(6,7))
        cat:np
        sem:[thing,abstract]
        number:pl
        person:3
        gender:neuter
        lex:carmen
        case:acc
        c_str
          carmina
adverbial_adjunct
  cat:advp
  * uolgo *
  lex:uolgo
  sem:manner_means
  c_str
    head
    uolgo

```

Comment : parse OK

% 50 Cicero Ad fam xiv 4 5.

Non vitium nostrum sed virtus nostra nos afflixit.

[0/non,1/uitium,2/nostrum,3/sed,4/uitus,5/nostra,6/nos,7/afflixit,endpos(8)]

cputime : 0.859375

9--->

[illocutionary_force:statement,vg:[selected_reading:adfligo_strike,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_87434,w:0,pos:v,class:tr_cod,type:finite,lex:affligere,voice:act,txt:afflixit,tense:perfect,kind:std,mood:indicativ
e,number:sing,person:3],subject:[number:sing,gender:_87614,pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:
[p(1,2),p(4,5)],index:i([p(1,2),p(4,5)]),distance:[0],sem:
[quality],class:common,lex:uitium,lextype:full,type:full,person:3,case:nom,w:6,coord:yes,c_str:[neg:
[lex:non,pos:neg,type:decl],head:[head:[pathlist:
[p(1,2)],pos:noun,txt:uitium,lex:uitium,case:nom,gender:neuter,class:common,ab:mm,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:nom,number:sing,gender:neuter,lex:noster,type:poss,w:1,c_str:noster]],coord:[lex:sed,pos:coord],head:[head:
[pathlist:[p(4,5)],pos:noun,txt:uitus,lex:uitus,case:nom,gender:fem,class:common,ab:mm,number:sing,sem:
[quality,hum]],adjp:[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:nom,number:sing,gender:fem,lex:noster,type:poss,w:1,c_str:noster]]],object:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1pl,number:pl,person:1,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp1pl]]

illocutionary_force:statement

vg

selected_reading:adfligo_strike

polarity:pos

cat:vg

* afflixit *

pos:v

lex:affligere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

* non * * uitium * * nostrum * * sed * * uirtus * * nostra *

index:i([p(1,2),p(4,5)])

sem:[quality]

lex:uitium

person:3

case:nom

coord:yes

c_str

neg

lex:non

pos:neg

head

head

* uitium *

pos:noun

lex:uitium

case:nom

gender:neuter

number:sing

sem:[quality]

adjp

cat:adjp

* nostrum *

case:nom

number:sing

gender:neuter

```
lex:noster
c_str
noster
coord:[lex:sed,pos:coord]
head
head
* uirtus *
pos:noun
lex:uirtus
case:nom
gender:fem
number:sing
sem:[quality,hum]
adjp
cat:adjp
* nostra *
case:nom
number:sing
gender:fem
lex:noster
c_str
noster
object
* nos *
index:i(p(6,7))
cat:np
sem:[hum]
lex:pp1pl
number:pl
person:1
gender:or([masc,fem])
case:acc
c_str
pp1pl
```

Comment : parse OK

% 51 Horatius Sat I 9 59-60.

Nil sine magno vita labore dedit mortalibus.

[0/nil,1/sine,2/magno,3/uita,4/labore,5/dedit,6/mortalibus,endpos(7)]

cputime : 1.328125

Parse A

2.46--->

```
illocutionary_force:statement,vg:[selected_reading:do_give,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_86556,w:0,pos:v,class:tr_cod_coi,type:finite,lex:dare,voice:act,txt:dedit,tense:perfect,kind:std,mood:indicative
,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing,abstract,time],class:common,lextype:full,origin:noun,person:3,type:core,lex:uita,txt:uita,case:nom,w:1,c_str:uita],object:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing,abstract],class:indef,lex:nihil,number:sing,person:3,gender:neuter,type:core,case:acc,w:1,c_str:nihil],i_object:[pathlist:
[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:adj,number:pl,person:3,gender:fem,type:core,lex:mortalis,txt:mortalibus,case:dat,w:0.5
,c_str:mortalibus],prep_phrase_adjunct_2:[pathlist:[p(1,2),p(2,3),p(4,5)],hp:[p(4,5)],distance:
[1],index:i(p(4,5)),case:abl,prep:sine,sem:[abstract],lex:labor,w:-3,type:core,cat:pp,c_str:[prep:sine,head:[pathlist:
[p(2,3),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[1],cat:np,class:common,sem:
[abstract],number:sing,person:3,gender:masc,type:core,lex:labor,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:labore,lex:labor,case:abl,gender:masc,class:common,ab:mm,number:sing,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:abl,number:sing,gender:masc,lex:magnus,type:std,w:1,c_str:magnus]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:do_give

polarity:pos

cat:vg

* dedit *

pos:v

lex:dare

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* uita *

index:i(p(3,4))

cat:np

sem:[thing,abstract,time]

person:3

lex:uita

case:nom

c_str

uita

object

* nil *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

lex:nihil

number:sing

person:3

gender:neuter

case:acc

c_str

nihil

i_object


```
* mortalibus *
index:i(p(6,7))
cat:np
sem:[hum]
number:pl
person:3
gender:fem
lex:mortalis
case:dat
c_str
mortalibus
prep_phrase_adjunct_2
* sine ** magno ** labore *
index:i(p(4,5))
case:abl
prep:sine
sem:[abstract]
lex:labor
cat:pp
c_str
  prep:sine
  head
    * magno ** labore *
    index:i(p(4,5))
    cat:np
    sem:[abstract]
    number:sing
    person:3
    gender:masc
    lex:labor
    case:abl
    c_str
      head
        * labore *
        pos:noun
        lex:labor
        case:abl
        gender:masc
        number:sing
        sem:[abstract]
      adjp
        cat:adjp
        * magno *
        case:abl
        number:sing
        gender:masc
        lex:magnus
        c_str
        magnus
```

Parse B

2.46--->

```
[illocutionary_force:statement,vg:[selected_reading:do_give,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_88426,w:0,pos:v,class:tr_cod_coi,type:finite,lex:dare,voice:act,txt:dedit,tense:perfect,kind:std,mood:indicative
,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing,abstract,time],class:common,lextype:full,origin:noun,person:3,type:core,lex:uita,txt:uita,case:nom,w:1,c_str:uita],object:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing,abstract],class:indef,lex:nihil,number:sing,person:3,gender:neuter,type:core,case:acc,w:1,c_str:nihil],i_object:[pathlist:
[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:adj,number:pl,person:3,gender:masc,type:core,lex:mortalis,txt:mortalibus,case:dat,w:0.
5,c_str:mortalibus],prep_phrase_adjunct_2:[pathlist:[p(1,2),p(2,3),p(4,5)],hp:[p(4,5)],distance:
[1],index:i(p(4,5)),case:abl,prep:sine,sem:[abstract],lex:labor,w:-3,type:core,cat:pp,c_str:[prep:sine,head:[pathlist:
[p(2,3),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[1],cat:np,class:common,sem:
[abstract],number:sing,person:3,gender:masc,type:core,lex:labor,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:labore,lex:labor,case:abl,gender:masc,class:common,ab:mm,number:sing,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:abl,number:sing,gender:masc,lex:magnus,type:std,w:1,c_str:magnus]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:do_give

polarity:pos

cat:vg

* dedit *

pos:v

lex:dare

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* uita *

index:i(p(3,4))

cat:np

sem:[thing,abstract,time]

person:3

lex:uita

case:nom

c_str

uita

object

* nil *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

lex:nihil

number:sing

person:3

gender:neuter

case:acc

c_str

nihil

i_object

* mortalibus *

index:i(p(6,7))

cat:np

sem:[hum]

number:pl

person:3

```

gender:masc
lex:mortalis
case:dat
c_str
mortalibus
prep_phrase_adjunct_2
* sine ** magno ** labore *
index:i(p(4,5))
case:abl
prep:sine
sem:[abstract]
lex:labor
cat:pp
c_str
  prep:sine
  head
    * magno ** labore *
    index:i(p(4,5))
    cat:np
    sem:[abstract]
    number:sing
    person:3
    gender:masc
    lex:labor
    case:abl
    c_str
      head
        * labore *
        pos:noun
        lex:labor
        case:abl
        gender:masc
        number:sing
        sem:[abstract]
      adjp
        cat:adjp
        * magno *
        case:abl
        number:sing
        gender:masc
        lex:magnus
        c_str
          magnus

```

Comment : parses OK, diff in gender assigned to 'mortalibus' (fem vs masc)

% 52 Horatius Sat II 6 79-81.

Olim rusticus urbanum murem mus paupere fertur accepisse cauo.

[0/olim,1/rusticus,2/urbanum,3/murem,4/mus,5/paupere,6/fertur,7/accepisse,8/cauo,endpos(9)]
cputime : 0.4375

5.970000000000001--->

```
[vg:[polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_88742,w:0,pos:v,class:v_ferre,type:finite,lex:ferre,voice:pass,txt:fertur,tense:present,kind:std,mood:indicative,
number:sing,person:3],pred:[subject:[pathlist:[p(1,2),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[2],cat:np,class:common,sem:
[thing,hum],number:sing,person:3,gender:masc,type:core,lex:mus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:mus,lex:mus,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[thing,hum]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:nom,number:sing,gender:masc,lex:rusticus,type:std,w:1,c_str:rusticus]]],pred:[vg:
[selected_reading:accipio_receive,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_89598,w:0,pos:v,class:tr_cod,type:nonfinite,lex:accipere,voice:act,txt:accipere,tense:past,kind:std,mood:infini
tive,number:_89730,person:_89742],object:[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,class:common,sem:[thing,hum],number:sing,person:3,gender:masc,type:core,lex:mus,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(3,4)],pos:noun,txt:murem,lex:mus,case:acc,gender:masc,class:common,ab:no,number:sing,sem:
[thing,hum]],adjp:[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:acc,number:sing,gender:masc,lex:urbanus,type:std,w:1,c_str:urbanus]]],adjunct:[pathlist:[p(5,6),p(8,9)],distance:
[0],class:adjunct,value:place,type:core,w:0,c_str:[head:[pathlist:
[p(8,9)],pos:noun,txt:cauo,lex:cauus,case:abl,gender:masc,class:common,ab:loc,number:sing,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:abl,number:sing,gender:masc,lex:pauper,type:std,w:1,c_str:pauper]]],adverbial_adjunct:[cat:advp,pathlist:
[p(0,1)],distance:[0],type:vpbound,lex:olim,sem:time,w:1,c_str:[head:olim]]]]]]]
```

```
vg
  polarity:pos
  cat:vg
  * fertur *
  pos:v
  lex:ferre
  voice:pass
  tense:present
  mood:indicative
  number:sing
  person:3
pred
  subject
    * rusticus * * mus *
    index:i(p(4,5))
    cat:np
    sem:[thing,hum]
    number:sing
    person:3
    gender:masc
    lex:mus
    case:nom
    c_str
      head
        * mus *
        pos:noun
        lex:mus
        case:nom
        gender:masc
        number:sing
        sem:[thing,hum]
      adjp
        cat:adjp
        * rusticus *
        case:nom
```

```

    number:sing
    gender:masc
    lex:rusticus
    c_str
    rusticus
pred
  vg
    selected_reading:accipio_receive
    polarity:pos
    cat:vg
    * accepisse *
    pos:v
    lex:accipere
    voice:act
    tense:past
    mood:infinitive
object
  * urbanum * * murem *
  index:i(p(3,4))
  cat:np
  sem:[thing,hum]
  number:sing
  person:3
  gender:masc
  lex:mus
  case:acc
  c_str
  head
    * murem *
    pos:noun
    lex:mus
    case:acc
    gender:masc
    number:sing
    sem:[thing,hum]
  adjp
    cat:adjp
    * urbanum *
    case:acc
    number:sing
    gender:masc
    lex:urbanus
    c_str
    urbanus
adjunct
  * paupere * * cauo *
  value:place
  c_str
  head
    * cauo *
    pos:noun
    lex:cauus
    case:abl
    gender:masc
    number:sing
    sem:[thing,loc]
  adjp
    cat:adjp
    * paupere *
    case:abl
    number:sing
    gender:masc
    lex:pauper
    c_str

```

pauper
adverbial_adjunct
cat:advp
* olim *
lex:olim
sem:time
c_str
head
olim

Comment : parse OK

sem:[male]

```

lex:dolabella
person:3
case:nom
c_str
dolabella
object
cat:pred
subtype:gerundive
case:acc
mood:gerund
local_case:acc
number:sing
person:3
gender:neuter
* spectaculum * * gladiatorum * * celebrandum * * pecunia * * eorum * * qui * * quaesturam * * adipiscerentur *
c_str
vg
selected_reading:celebro_celebrate
pos:gdiv
case:acc
gender:neuter
number:sing
lex:celebrare
mood:gerund
person:3
object
* spectaculum * * gladiatorum *
index:i([p(2,3)])
sem:[thing]
number:sing
person:3
cat:np
lex:spectaculum
gender:neuter
case:acc
c_str
head
* spectaculum *
index:i(p(2,3))
cat:np
sem:[thing]
number:sing
person:3
gender:neuter
lex:spectaculum
case:acc
c_str
spectaculum
noun_cplt
* gladiatorum *
index:i(p(3,4))
cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:gladiator
case:gen
c_str
gladiatorum
adjunct
* pecunia * * eorum * * qui * * quaesturam * * adipiscerentur *
value:manner_means
c_str

```



```

head
  * pecunia *
  index:i(p(5,6))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:fem
  lex:pecunia
  case:abl
  c_str
  pecunia
noun_cplt
  * eorum ** qui ** quaesturam ** adipiscerentur *
  cat:np
  index:i(p(6,7))
  number:pl
  gender:masc
  sem:[hum]
  case:gen
  lex:prpersgenmascp
  c_str
    head
    prpersgenmascp
    rel_clause
      * qui ** quaesturam ** adipiscerentur *
      index:i(p(6,7))
      number:pl
      gender:masc
      case:nom
      person:3
      reltype:restrictive
      mood:subjunctive
      tense:imperfect
      c_str
        illocutionary_force:statement
        vg
          selected_reading:adipiscor_obtain
          polarity:pos
          cat:vg
          * adipiscerentur *
          pos:v
          lex:adipisci
          voice:act
          tense:imperfect
          mood:subjunctive
          number:pl
          person:3
        subject
          index:i(p(6,7))
        object
          * quaesturam *
          index:i(p(8,9))
          cat:np
          sem:[thing,institution]
          number:sing
          person:3
          gender:fem
          lex:quaestura
          case:acc
          c_str
            quaesturam

```

Parse B

6.5--->

[illocutionary_force:statement,vg:[selected_reading:censeo_decide_that,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_17840,w:0,pos:v,class:tr_cod,type:finite,lex:censere,voice:act,txt:censuit,tense:perfect,kind:std,mood:indicativ
e,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[male],class:proper,lex:dolabella,lextype:full,person:3,type:core,case:nom,w:1,c_str:dolabella],object:
[cat:pred,type:gerund,subtype:gerundive,case:acc,mood:gerund,class:m,local_case:acc,number:sing,person:3,gender:neuter,pat
hlist:[p(2,3),p(3,4),p(4,5)],distance:[0],gap:[],w:4.5,c_str:[vg:
[selected_reading:celebro_celebrate,pos:gdiv,txt:celebrandum,case:acc,gender:neuter,number:sing,lex:celebrare,class:tr_cod,ty
pe:gdiv,kind:std,mood:gerund,person:3],object:[pathlist:[p(2,3),p(3,4)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],sem:
[thing],number:sing,person:3,cat:np,lex:spectaculum,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1.5,c_str:
[head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:spectaculum,txt:spectaculum,
case:acc,w:1,c_str:spectaculum],noun_cplt:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:gladiator,txt:gladiatorum,case:gen
erative,w:1,c_str:gladiatorum]]]]],adjunct:[pathlist:[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],distance:
[0],class:adjunct,value:manner_means,type:full,w:0,c_str:[head:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:pecunia,txt:pecunia,case:abl,w:1
,c_str:pecunia],noun_cplt:[pathlist:[p(6,7),p(7,8),p(8,9),p(9,10)],hp:[p(6,7)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(6,7)),number:pl,gender:masc,sem:
[hum],person:_20066,case:gen,lex:prpersgenmasculine,w:5,c_str:[head:prpersgenmasculine,rel_clause:[pathlist:
[p(7,8),p(8,9),p(9,10)],distance:[0],gap:[gap:[type:np,index:i(p(6,7)),function:subject,subject:[e:i(p(6,7))],constraints:
[number:pl,gender:masc,person:3,case:nom,index:i(p(6,7)),sem:
[hum]]],index:i(p(6,7)),number:pl,gender:masc,case:nom,person:3,reltype:restrictive,type:finite,mood:subjunctive,tense:imper
fect,constraints:[number:pl,gender:masc,person:3,case:nom,index:i(p(6,7)),sem:[hum]],w:4,c_str:
[illocutionary_force:statement,vg:[selected_reading:adipiscor_obtain,polarity:pos,cat:vg,pathlist:[p(9,10)],hp:
[p(9,10)],gender:_20612,w:0,pos:v,class:tr_cod,type:finite,lex:adipisci,voice:act,txt:adipiscerentur,tense:imperfect,kind:dep,mo
od:subjunctive,number:pl,person:3],subject:[index:i(p(6,7))],object:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:
[0],cat:np,sem:
[thing,institution],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:quaestura,txt:quaestu
ram,case:acc,w:1,c_str:quaesturam]]]]]]]]]

illocutionary_force:statement

vg

selected_reading:censeo_decide_that

polarity:pos

cat:vg

* censuit *

pos:v

lex:censere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* dolabella *

index:i(p(0,1))

cat:np

sem:[male]

lex:dolabella

person:3

case:nom

c_str

dolabella

object

cat:pred

subtype:gerundive

```

case:acc
mood:gerund
local_case:acc
number:sing
person:3
gender:neuter
* spectaculum * * gladiatorum * * celebrandum *
c_str
  vg
    selected_reading:celebro_celebrate
    pos:gdiv
    case:acc
    gender:neuter
    number:sing
    lex:celebrare
    mood:gerund
    person:3
  object
    * spectaculum * * gladiatorum *
    index:i([p(2,3)])
    sem:[thing]
    number:sing
    person:3
    cat:np
    lex:spectaculum
    gender:neuter
    case:acc
  c_str
    head
      * spectaculum *
      index:i(p(2,3))
      cat:np
      sem:[thing]
      number:sing
      person:3
      gender:neuter
      lex:spectaculum
      case:acc
      c_str
        spectaculum
    noun_cplt
      * gladiatorum *
      index:i(p(3,4))
      cat:np
      sem:[hum]
      number:pl
      person:3
      gender:masc
      lex:gladiator
      case:gen
      c_str
        gladiatorum
  adjunct
    * pecunia * * eorum * * qui * * quaesturam * * adipiscerentur *
  value:manner_means
  c_str
    head
      * pecunia *
      index:i(p(5,6))
      cat:np
      sem:[thing]
      number:sing
      person:3
      gender:fem

```

```

lex:pecunia
case:abl
c_str
pecunia
noun_cplt
* eorum ** qui ** quaesturam ** adipiscerentur *
cat:np
index:i(p(6,7))
number:pl
gender:masc
sem:[hum]
case:gen
lex:prpersgenmascpl
c_str
head
prpersgenmascpl
rel_clause
* qui ** quaesturam ** adipiscerentur *
index:i(p(6,7))
number:pl
gender:masc
case:nom
person:3
reltype:restrictive
mood:subjunctive
tense:imperfect
c_str
illocutionary_force:statement
vg
selected_reading:adipiscor_obtain
polarity:pos
cat:vg
* adipiscerentur *
pos:v
lex:adipisci
voice:act
tense:imperfect
mood:subjunctive
number:pl
person:3
subject
index:i(p(6,7))
object
* quaesturam *
index:i(p(8,9))
cat:np
sem:[thing,institution]
number:sing
person:3
gender:fem
lex:quaestura
case:acc
c_str
quaesturam

```

Comment : Parse A is to be preferred on account of the attachment assigned to pecunia etc.

% 54 adapted from Horatius Ep 2 ii 65-66.

Romaene me poemata censes scribere posse inter tot curas?

[0/ne_int,1/romae,2/me,3/poemata,4/censes,5/scribere,6/posse,7/inter,8/tot,9/curas,endpos(10)]

cputime : 52.28125

13.99--->

[yes_no_question,open_orientation,[illocutionary_force:statement,vg:
[selected_reading:censeo_decide_that,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_19330,w:0,pos:v,class:tr_cod,type:finite,lex:censere,voice:act,txt:censes,tense:present,kind:std,mood:indicativ
e,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:
[p(1,2),p(2,3),p(3,4),p(5,6),p(6,7)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_19926,w:9.99,flagint:no,c_str:[vg:
[selected_reading:scribo_write,polarity:pos,cat:vg,aux:posse,value:possibility_capacity,type:nonfinite,pathlist:
[p(6,7),p(5,6)],hp:
[p(5,6)],lex:scribere,person:_20124,mood:infinitive,tense:present,voice:act,number:sing,gender:or([masc,fem]),w:3],subject:
[number:sing,gender:or([masc,fem]),pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,person:1,type:core,case:acc,w:1,c_str:pp1sg],object:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:poema,txt:poemata,case:acc,w:
1,c_str:poemata],adjunct:[pathlist:[p(1,2)],hp:[p(1,2)],distance:
[0],cat:np,class:adjunct,value:place,number:sing,person:3,gender:fem,lex:roma,lextype:full,type:place,case:gen,w:2,c_str:[head:
[lex:roma,sem:location,cat:np,number:sing,gender:fem,case:gen,index:i(p(1,2))]]],prep_phrase_adjunct_1:[pathlist:
[p(7,8),p(8,9),p(9,10)],hp:[p(9,10)],distance:[0],index:i(p(9,10)),case:acc,prep:inter,sem:[abstract],lex:cura,w:
-1,type:core,cat:pp,c_str:[prep:inter,head:[pathlist:[p(8,9),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:
[0],cat:np,class:common,sem:[abstract],number:pl,person:3,gender:fem,type:core,lex:cura,lextype:full,case:acc,w:2,c_str:[head:
[pathlist:[p(9,10)],pos:noun,txt:curas,lex:cura,case:acc,gender:fem,class:common,ab:mm,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:[p(8,9)],case:acc,number:pl,gender:fem,lex:tot,type:tool,w:1,c_str:tot]]]]]]]]

yes_no_question
open_orientation
illocutionary_force:statement
vg
selected_reading:censeo_decide_that
polarity:pos
cat:vg
* censes *
pos:v
lex:censere
voice:act
tense:present
mood:indicative
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
cat:pred
mood:infinitive
tense:present
* romae * * me * * poemata * * scribere * * posse *
number:sing
gender:neuter
case:or([nom,acc])

person:3
 polarity:pos
 c_str
 vg
 selected_reading:scribo_write
 polarity:pos
 cat:vg
 aux:posse
 value:possibility_capacity
 * posse * * scribere *
 lex:scribere
 mood:infinitive
 tense:present
 voice:act
 number:sing
 gender:or([masc,fem])
 subject
 number:sing
 gender:or([masc,fem])
 * me *
 index:i(p(2,3))
 cat:np
 sem:[hum]
 lex:pp1sg
 person:1
 case:acc
 c_str
 pp1sg
 object
 * poemata *
 index:i(p(3,4))
 cat:np
 sem:[thing]
 number:pl
 person:3
 gender:neuter
 lex:poema
 case:acc
 c_str
 poemata
 adjunct
 * romae *
 cat:np
 value:place
 number:sing
 person:3
 gender:fem
 lex:roma
 case:gen
 c_str
 head
 lex:roma
 sem:location
 cat:np
 number:sing
 gender:fem
 case:gen
 index:i(p(1,2))
 prep_phrase_adjunct_1
 * inter * * tot * * curas *
 index:i(p(9,10))
 case:acc
 prep:inter
 sem:[abstract]

```
lex:cura
cat:pp
c_str
  prep:inter
  head
    * tot * * curas *
    index:i(p(9,10))
    cat:np
    sem:[abstract]
    number:pl
    person:3
    gender:fem
    lex:cura
    case:acc
    c_str
      head
        * curas *
        pos:noun
        lex:cura
        case:acc
        gender:fem
        number:pl
        sem:[abstract]
      adjp
        cat:adjp
        * tot *
        case:acc
        number:pl
        gender:fem
        lex:tot
        c_str
          tot
```

Comment : parse OK

% 55 Hieronymus Ep LX 19.

Cotidie morimur et aeternos nos esse credimus.

[0/cotidie,1/morimur,2/et,3/aeternos,4/nos,5/esse,6/credimus,endpos(7)]

cputime : 0.234375

6.99--->

[head:[illocutionary_force:statement,vg:[selected_reading:mori_die,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_8994,w:0,pos:v,class:intr,type:finite,lex:mori,voice:act,txt:morimur,tense:present,kind:dep,mood:indicative,nu
mber:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:
[0],type:vpbound,lex:cotidie,sem:time,w:1,c_str:[head:cotidie]],coord:et,head:[illocutionary_force:statement,vg:
[selected_reading:credo_believe_that,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_9610,w:0,pos:v,class:tr_inf,type:finite,lex:credere,voice:act,txt:credimus,tense:present,kind:std,mood:indicativ
e,number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:
[p(3,4),p(4,5),p(5,6)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_10182,w:5.99,flagint:no,c_str:[vg:
[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:or([masc,fem]),w:0,pos:v,class:v_esse,type:nonfinite,lex:esse,voice:act,txt:esse,tense:present,kind:std,mood:infi
nitive,number:pl,person:_10486],subject:[number:pl,gender:or([masc,fem]),pathlist:[p(4,5)],hp:
[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1pl,person:1,type:core,case:acc,w:1,c_str:pp1pl],predicative:[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:
[p(3,4)],case:acc,number:pl,gender:masc,lex:aeternus,type:std,w:1,c_str:aeternus]]]]]

head

illocutionary_force:statement

vg

selected_reading:mori_die

polarity:pos

cat:vg

* morimur *

pos:v

lex:mori

voice:act

tense:present

mood:indicative

number:pl

person:1

subject

source:context_retrievable

number:pl

gender:or([masc,fem])

person:1

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

adverbial_adjunct

cat:advp

* cotidie *

lex:cotidie

sem:time

c_str

head

cotidie

coord:et

head

illocutionary_force:statement

vg

selected_reading:credo_believe_that


```

polarity:pos
cat:vg
* credimus *
pos:v
lex:credere
voice:act
tense:present
mood:indicative
number:pl
person:1
subject
  source:context_retrievable
  number:pl
  gender:or([masc,fem])
  person:1
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  cat:pred
  mood:infinitive
  tense:present
  * aeternos * * nos * * esse *
  number:sing
  gender:neuter
  case:or([nom,acc])
  person:3
  polarity:pos
  c_str
    vg
      selected_reading:sum_be
      polarity:pos
      cat:vg
      * esse *
      gender:or([masc,fem])
      pos:v
      lex:esse
      voice:act
      tense:present
      mood:infinitive
      number:pl
      subject
        number:pl
        gender:or([masc,fem])
        * nos *
        index:i(p(4,5))
        cat:np
        sem:[hum]
        lex:pp1pl
        person:1
        case:acc
        c_str
          pp1pl
      predicative
        cat:adjp
        * aeternos *
        case:acc
        number:pl
        gender:masc
        lex:aeternus
        c_str
          aeternus

```

Comment : parse OK

% 56 Hieronymus Ep LX 19.

Cum quo loqui non possumus de eo loqui numquam desinamus.

[0/cum,1/quo,2/loqui,3/non,4/possumus,5/de,6/eo,7/loqui,8/numquam,9/desinamus,endpos(10)]
cputime : 148.421875

Parse A

7--->

[illocutionary_force:statement,vg:[selected_reading:desino_stop,polarity:pos,cat:vg,pathlist:[p(9,10)],hp:
[p(9,10)],gender:_37668,w:0,pos:v,class:tr_cod,type:finite,lex:desinere,voice:act,txt:desinamus,tense:present,kind:std,mood:su
bjunctive,number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9)],distance:
[2],number:_38206,gender:_38218,person:_38230,case:or([nom,acc]),sem:_38270,polarity:pos,gap:_38294,w:8,flagint:no,c_str:
r:[vg:[selected_reading:loquor_speak,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_38432,w:0,pos:v,class:intr,type:nonfinite,lex:loqui,voice:act,txt:loqui,tense:present,kind:dep,mood:infinitive,n
umber:_38564,person:_38576],prep_cplt:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],hp:[p(6,7)],distance:
[2],index:i(p(6,7)),case:abl,prep:de,sem:[hum],lex:prpersablmascneutersing,w:5,type:full,cat:pp,c_str:[prep:de,head:[pathlist:
[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(6,7)],hp:[p(6,7)],distance:
[2],cat:np,type:full,class:common,lextype:full,index:i(p(6,7)),number:sing,gender:or([masc,neuter]),sem:
[hum],person:_39040,case:abl,lex:prpersablmascneutersing,w:5,c_str:[head:prpersablmascneutersing,rel_clause:[pathlist:
[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5)],distance:[0],gap:[gap:[type:pp,index:i(p(6,7)),function:prep_cplt,prep_cplt:
[e:i(p(6,7))],constraints:[prep:cum,case:abl,sem:
[hum]]]],index:i(p(6,7)),number:sing,gender:or([masc,neuter]),person:_39368,case:abl,reltype:restrictive,type:finite,mood:indic
ative,tense:present,constraints:[case:abl,sem:[hum]],w:4,c_str:[illocutionary_force:statement,vg:
[selected_reading:loquor_speak,polarity:neg,w:3,pathlist:
[p(2,3),p(3,4),p(4,5)],cat:vg,aux:posse,value:possibility_capacity,type:finite,hp:
[p(2,3)],lex:loqui,person:1,mood:indicative,tense:present,voice:act,number:pl,gender:_39710],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],prep_cplt:[e:i(p(6,7))]]],adverbial_adjunct:[cat:advp,pathlist:[p(8,9)],distance:
[0],type:vpbound,lex:numquam,sem:time,w:1,c_str:[head:numquam]]]]]

```
illocutionary_force:statement
vg
  selected_reading:desino_stop
  polarity:pos
  cat:vg
  * desinamus *
  pos:v
  lex:desinere
  voice:act
  tense:present
  mood:subjunctive
  number:pl
  person:1
subject
  source:context_retrievable
  number:pl
  gender:or([masc,fem])
  person:1
  cat:np
  index:i(0,0)
  case:nom
object
  cat:pred
  mood:infinitive
  tense:present
  * cum * * quo * * loqui * * non * * possumus * * de * * eo * * loqui * * numquam *
```

```

case:or([nom,acc])
polarity:pos
c_str
  vg
    selected_reading:loquor_speak
    polarity:pos
    cat:vg
    * loqui *
    pos:v
    lex:loqui
    voice:act
    tense:present
    mood:infinitive
prep_cplt
  * cum ** quo ** loqui ** non ** possumus ** de ** eo *
  index:i(p(6,7))
  case:abl
  prep:de
  sem:[hum]
  lex:prpersablmascneutersing
  cat:pp
  c_str
    prep:de
    head
      * cum ** quo ** loqui ** non ** possumus ** eo *
      cat:np
      index:i(p(6,7))
      number:sing
      gender:or([masc,neuter])
      sem:[hum]
      case:abl
      lex:prpersablmascneutersing
      c_str
        head
          prpersablmascneutersing
          rel_clause
            * cum ** quo ** loqui ** non ** possumus *
            index:i(p(6,7))
            number:sing
            gender:or([masc,neuter])
            case:abl
            reltype:restrictive
            mood:indicative
            tense:present
            c_str
              illocutionary_force:statement
              vg
                selected_reading:loquor_speak
                polarity:neg
                * loqui ** non ** possumus *
                cat:vg
                aux:posse
                value:possibility_capacity
                lex:loqui
                person:1
                mood:indicative
                tense:present
                voice:act
                number:pl
              subject
                source:context_retrievable
                number:pl
                gender:or([masc,fem])
                person:1

```

```
      cat:np
      index:i(0,0)
      constraints_to_be_met:[sem:[hum]]
      case:nom
    prep_cplt
    e:i(p(6,7))
adverbial_adjunct
  cat:advp
  * numquam *
  lex:numquam
  sem:time
  c_str
    head
    numquam
```

Parse B

7--->

```
[illocutionary_force:statement,vg:
[selected_reading:loquor_speak,polarity:pos,cat:vg,aux:desinere,value:cessative,type:finite,pathlist:[p(9,10),p(7,8)],hp:
[p(7,8)],lex:loqui,person:1,mood:subjunctive,tense:present,voice:act,number:pl,gender:_65640,w:3],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],prep_cplt:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],hp:
[p(6,7)],distance:[2],index:i(p(6,7)),case:abl,prep:de,sem:[hum],lex:prpersablmascneutersing,w:5,type:full,cat:pp,c_str:
[prep:de,head:[pathlist:[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5),p(6,7)],hp:[p(6,7)],distance:
[2],cat:np,type:full,class:common,lextype:full,index:i(p(6,7)),number:sing,gender:or([masc,neuter]),sem:
[hum],person:_66348,case:abl,lex:prpersablmascneutersing,w:5,c_str:[head:prpersablmascneutersing,rel_clause:[pathlist:
[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5)],distance:[0],gap:[gap:[type:pp,index:i(p(6,7)),function:prep_cplt,prep_cplt:
[e:i(p(6,7))],constraints:[prep:cum,case:abl,sem:
[hum]]],index:i(p(6,7)),number:sing,gender:or([masc,neuter]),person:_66676,case:abl,reltype:restrictive,type:finite,mood:indic
ative,tense:present,constraints:[case:abl,sem:[hum]],w:4,c_str:[illocutionary_force:statement,vg:
[selected_reading:loquor_speak,polarity:neg,w:3,pathlist:
[p(2,3),p(3,4),p(4,5)],cat:vg,aux:posse,value:possibility_capacity,type:finite,hp:
[p(2,3)],lex:loqui,person:1,mood:indicative,tense:present,voice:act,number:pl,gender:_67018],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],prep_cplt:[e:i(p(6,7))]]],adverbial_adjunct:[cat:advp,pathlist:[p(8,9)],distance:
[0],type:vpbound,lex:numquam,sem:time,w:1,c_str:[head:numquam]]]
```

```
illocutionary_force:statement
vg
  selected_reading:loquor_speak
  polarity:pos
  cat:vg
  aux:desinere
  value:cessative
  * desinamus * * loqui *
  lex:loqui
  person:1
  mood:subjunctive
  tense:present
  voice:act
  number:pl
subject
  source:context_retrievable
  number:pl
  gender:or([masc,fem])
  person:1
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
prep_cplt
  * cum * * quo * * loqui * * non * * possumus * * de * * eo *
  index:i(p(6,7))
  case:abl
  prep:de
  sem:[hum]
  lex:prpersablmascneutersing
  cat:pp
  c_str
    prep:de
    head
      * cum * * quo * * loqui * * non * * possumus * * eo *
      cat:np
      index:i(p(6,7))
      number:sing
      gender:or([masc,neuter])
```

```

sem:[hum]
case:abl
lex:prpersablmascneutersing
c_str
  head
  prpersablmascneutersing
  rel_clause
    * cum ** quo ** loqui ** non ** possumus *
    index:i(p(6,7))
    number:sing
    gender:or([masc,neuter])
    case:abl
    reltype:restrictive
    mood:indicative
    tense:present
  c_str
    illocutionary_force:statement
    vg
      selected_reading:loquor_speak
      polarity:neg
      * loqui ** non ** possumus *
      cat:vg
      aux:posse
      value:possibility_capacity
      lex:loqui
      person:1
      mood:indicative
      tense:present
      voice:act
      number:pl
    subject
      source:context_retrievable
      number:pl
      gender:or([masc,fem])
      person:1
      cat:np
      index:i(0,0)
      constraints_to_be_met:[sem:[hum]]
      case:nom
    prep_cplt
      e:i(p(6,7))
adverbial_adjunct
  cat:advp
  * numquam *
  lex:numquam
  sem:time
  c_str
    head
    numquam

```

Comment : parses differ as to the treatment of *desinere*, full verb or 'cessative' auxiliary

% 57 Iuuenalis Sat 8 244.

Roma patrem patriae Ciceronem libera dixit.

[0/roma,1/patrem,2/patriae,3/ciceronem,4/libera,5/dixit,endpos(6)]
cputime : 0.546875

3.49--->

```
[illocutionary_force:statement,vg:[selected_reading:dico_call_sby_sth,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_8092,w:0,pos:v,class:tr_inf,type:finite,lex:dicere,voice:act,txt:dixit,tense:perfect,kind:std,mood:indicative,num
ber:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(0,1),p(4,5)],hp:[p(0,1)],index:i(p(0,1)),distance:
[3],cat:np,class:common,sem:[city,thing,hum],person:3,type:core,lex:roma,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(0,1)],pos:noun,txt:roma,lex:roma,case:nom,gender:fem,class:common,ab:no,number:sing,sem:[city,thing,hum]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:nom,number:sing,gender:fem,lex:liber,type:std,w:1,c_str:liber]]],object:
[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[male],class:proper,lex:cicero,lextype:full,number:sing,person:3,gender:masc,type:core,case:acc,w:1,c_str:cicero],object_cplt:
[pathlist:[p(1,2),p(2,3)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],sem:
[hum],number:sing,person:3,cat:np,lex:pater,lextype:full,gender:masc,type:full,case:acc,class:common,w:1.5,c_str:[head:
[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:pater,txt:patrem,case:acc,w:1,c
_str:patrem],noun_cplt:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:patria,txt:patriae,case:g
en,w:1,c_str:patriae]]]]]
```

illocutionary_force:statement

vg

selected_reading:dico_call_sby_sth

polarity:pos

cat:vg

* dixit *

pos:v

lex:dicere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* roma ** libera *

index:i(p(0,1))

cat:np

sem:[city,thing,hum]

person:3

lex:roma

case:nom

c_str

head

* roma *

pos:noun

lex:roma

case:nom

gender:fem

number:sing

sem:[city,thing,hum]

adjp

cat:adjp

* libera *

case:nom

number:sing

```

        gender:fem
        lex:liber
        c_str
        liber
object
  * ciceronem *
  index:i(p(3,4))
  cat:np
  sem:[male]
  lex:cicero
  number:sing
  person:3
  gender:masc
  case:acc
  c_str
  cicero
object_cplt
  * patrem * * patriae *
  index:i([p(1,2)])
  sem:[hum]
  number:sing
  person:3
  cat:np
  lex:pater
  gender:masc
  case:acc
  c_str
  head
    * patrem *
    index:i(p(1,2))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:pater
    case:acc
    c_str
    patrem
  noun_cplt
    * patriae *
    index:i(p(2,3))
    cat:np
    sem:[thing,abstract]
    number:sing
    person:3
    gender:fem
    lex:patria
    case:gen
    c_str
    patriae

```

Comment : parse Ok

% 58 Vergilius Georgica 1 463.

Solem quis dicere falsum audeat?

[0/solem,1/quis,2/dicere,3/falsum,4/audeat,endpos(5)]
cputime : 1.453125

Parse A

7.99--->

[illocutionary_force:question,vg:
[selected_reading:dico_call_sby_sth,polarity:pos,cat:vg,aux:audere,value:dare,type:finite,pathlist:[p(4,5),p(2,3)],hp:
[p(2,3)],lex:dicere,person:3,mood:subjunctive,tense:present,voice:act,number:sing,gender:_31038,w:3],subject:
[number:sing,gender:or([masc,fem]),pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:int,lex:quis,person:3,type:int,case:nom,w:1,c_str:quis],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:sol,txt:solem,case:acc,
w:1,c_str:solem],object_cplt:[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:
[p(3,4)],case:acc,number:sing,gender:masc,lex:falsus,type:std,w:1,c_str:falsus]]

illocutionary_force:question

vg

selected_reading:dico_call_sby_sth

polarity:pos

cat:vg

aux:audere

value:dare

* audeat * * dicere *

lex:dicere

person:3

mood:subjunctive

tense:present

voice:act

number:sing

subject

number:sing

gender:or([masc,fem])

* quis *

index:i(p(1,2))

cat:np

sem:[hum]

lex:quis

person:3

case:nom

c_str

quis

object

* solem *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

number:sing

person:3

gender:masc

lex:sol

case:acc

c_str

solem

object_cplt

cat:adjp

* falsum *

case:acc

number:sing

gender:masc

lex:falsus
c_str
falsus

Parse B

7.99--->

```
[illocutionary_force:statement,vg:  
[selected_reading:dico_call_sby_sth,polarity:pos,cat:vg,aux:audere,value:dare,type:finite,pathlist:[p(4,5),p(2,3)],hp:  
[p(2,3)],lex:dicere,person:3,mood:subjunctive,tense:present,voice:act,number:sing,gender:_30076,w:3],subject:  
[number:sing,gender:masc,pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:  
[hum],class:indef,lex:quis,person:3,type:core,case:nom,w:1,c_str:quis],object:[pathlist:[p(0,1)],hp:  
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:  
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:sol,txt:solem,case:acc,  
w:1,c_str:solem],object_cplt:[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:  
[p(3,4)],case:acc,number:sing,gender:masc,lex:falsus,type:std,w:1,c_str:falsus]]
```

illocutionary_force:statement

vg

selected_reading:dico_call_sby_sth

polarity:pos

cat:vg

aux:audere

value:dare

* audeat * * dicere *

lex:dicere

person:3

mood:subjunctive

tense:present

voice:act

number:sing

subject

number:sing

gender:masc

* quis *

index:i(p(1,2))

cat:np

sem:[hum]

lex:quis

person:3

case:nom

c_str

quis

object

* solem *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

number:sing

person:3

gender:masc

lex:sol

case:acc

c_str

solem

object_cplt

cat:adjp

* falsum *

case:acc

number:sing

gender:masc

lex:falsus

c_str

falsus

Comment : parses differ in gender attribution to quis ; parse A is to be preferred

% 59 Ovidius Amores I 6 34.

Solus eram si non saevus adesset Amor.

[0/solus,1/eram,2/si,3/non,4/saeuus,5/adesset,6/amor,endpos(7)]

cputime : 0.625

6--->

[clause_semantics:_20398,subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:adsum_assist,polarity:neg,w:-1,pathlist:[p(3,4),p(5,6)],cat:vg,hp:
[p(5,6)],gender:_20626,txt:adesset,lex:adesse,pos:v,class:v_esse,type:finite,voice:act,tense:imperfect,kind:std,mood:subjunctiv
e,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_20806,person:3,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:-1],predicative:[pathlist:[p(4,5),p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:
[1],cat:np,class:common,sem:
[abstract,hum],number:sing,person:3,gender:masc,type:core,lex:amor,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:amor,lex:amor,case:nom,gender:masc,class:common,ab:mm,number:sing,sem:[abstract,hum]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:
[p(4,5)],case:nom,number:sing,gender:masc,lex:saeuus,type:std,w:1,c_str:saeuus]]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_21626,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:eram,tense:imperfect,kind:std,mood:indicative,n
umber:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:
[number:sing,gender:or([masc,fem]),case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[cat:adjp,pathlist:
[p(0,1)],distance:[0],hp:[p(0,1)],case:nom,number:sing,gender:masc,lex:solus,type:std,w:1,c_str:solus]]]

subordinator

lex:si

pos:sub

mood:subjunctive

subordinate_clause

si

illocutionary_force:statement

vg

selected_reading:adsum_assist

polarity:neg

* non ** adesset *

cat:vg

lex:adesse

pos:v

voice:act

tense:imperfect

mood:subjunctive

number:sing

person:3

subject

source:context_retrievable

number:sing

person:3

cat:np

index:i(0,0)

case:nom

predicative

* saeuus ** amor *

index:i(p(6,7))

cat:np

sem:[abstract,hum]

number:sing

person:3

gender:masc

lex:amor

case:nom

c_str

head

```

      * amor *
      pos:noun
      lex:amor
      case:nom
      gender:masc
      number:sing
      sem:[abstract,hum]
    adjp
      cat:adjp
      * saeuus *
      case:nom
      number:sing
      gender:masc
      lex:saeuus
      c_str
      saeuus
  main_clause
    illocutionary_force:statement
    vg
      selected_reading:sum_be
      polarity:pos
      cat:vg
      * eram *
      pos:v
      lex:esse
      voice:act
      tense:imperfect
      mood:indicative
      number:sing
      person:1
    subject
      source:context_retrievable
      number:sing
      gender:or([masc,fem])
      person:1
      cat:np
      index:i(0,0)
      constraints_to_be_met:[number:sing,gender:or([masc,fem]),case:nom]
      case:nom
    predicative
      cat:adjp
      * solus *
      case:nom
      number:sing
      gender:masc
      lex:solus
      c_str
      solus

```

Comment : parse OK

% 60 Horatius Carm II 3 1-2.

Aequam memento rebus in arduis servare mentem.

[0/aequam,1/memento,2/rebus,3/in,4/arduis,5/seruare,6/mentem,endpos(7)]
cputime : 0.984375

Parse A

1--->

```
[illocutionary_force:statement,vg:[selected_reading:memini_remember,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_11274,w:0,pos:v,class:tr_cod,type:finite,lex:memini,voice:act,txt:memento,tense:future,kind:std,mood:impera
tive,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(0,1),p(5,6),p(6,7)],distance:
[0],number:_11758,gender:_11770,person:_11782,case:or([nom,acc]),sem:_11822,polarity:pos,gap:_11846,w:2,flagint:no,c_st
r:[vg:[selected_reading:servo_keep,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_11984,w:0,pos:v,class:tr_cod,type:nonfinite,lex:seruare,voice:act,txt:seruare,tense:present,kind:std,mood:infi
nitive,number:_12116,person:_12128],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:mens,txt:mentem,case:acc,w:
1,c_str:mentem],object_cplt:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:sing,gender:fem,lex:aequus,type:std,w:1,c_str:aequus]]],prep_phrase_adjunct_3:[pathlist:
[p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],distance:[1],index:i(p(2,3)),case:abl,prep:in,sem:[thing,abstract],lex:res,w:
-2,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(2,3),p(4,5)],hp:[p(2,3)],index:i(p(2,3)),distance:[1],cat:np,class:common,sem:
[thing,abstract],number:pl,person:3,gender:fem,type:core,lex:res,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:rebus,lex:res,case:abl,gender:fem,class:common,ab:no,number:pl,sem:[thing,abstract]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:abl,number:pl,gender:fem,lex:arduus,type:std,w:1,c_str:arduus]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:memini_remember
  polarity:pos
  cat:vg
  * memento *
  pos:v
  lex:memini
  voice:act
  tense:future
  mood:imperative
  number:sing
  person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  cat:pred
  mood:infinitive
  tense:present
  * aequam * * seruare * * mentem *
  case:or([nom,acc])
  polarity:pos
  c_str
    vg
      selected_reading:servo_keep
      polarity:pos
      cat:vg
      * seruare *
```

```

pos:v
lex:seruare
voice:act
tense:present
mood:infinitive
object
  * mentem *
  index:i(p(6,7))
  cat:np
  sem:[abstract]
  number:sing
  person:3
  gender:fem
  lex:mens
  case:acc
  c_str
  mentem
object_cplt
  cat:adjp
  * aequam *
  case:acc
  number:sing
  gender:fem
  lex:aequus
  c_str
  aequus
prep_phrase_adjunct_3
  * rebus * * in * * arduis *
  index:i(p(2,3))
  case:abl
  prep:in
  sem:[thing,abstract]
  lex:res
  cat:pp
  c_str
  prep:in
  head
    * rebus * * arduis *
    index:i(p(2,3))
    cat:np
    sem:[thing,abstract]
    number:pl
    person:3
    gender:fem
    lex:res
    case:abl
    c_str
    head
      * rebus *
      pos:noun
      lex:res
      case:abl
      gender:fem
      number:pl
      sem:[thing,abstract]
    adjp
      cat:adjp
      * arduis *
      case:abl
      number:pl
      gender:fem
      lex:arduus
      c_str
      arduus

```

Parse B

1--->

```
[illocutionary_force:statement,vg:[selected_reading:memini_remember,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_13480,w:0,pos:v,class:tr_cod,type:finite,lex:memini,voice:act,txt:memento,tense:future,kind:std,mood:impera
tive,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(0,1),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],distance:
[1],number:_14000,gender:_14012,person:_14024,case:or([nom,acc]),sem:_14064,polarity:pos,gap:_14088,w:1,flagint:no,c_st
r:[vg:[selected_reading:servo_keep,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_14226,w:0,pos:v,class:tr_cod,type:nonfinite,lex:seruare,voice:act,txt:seruare,tense:present,kind:std,mood:infi
nitive,number:_14358,person:_14370],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:mens,txt:mentem,case:acc,w:
1,c_str:mentem],object_cplt:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:sing,gender:fem,lex:aequus,type:std,w:1,c_str:aequus],prep_phrase_adjunct_3:[pathlist:
[p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],distance:[1],index:i(p(2,3)),case:abl,prep:in,sem:[thing,abstract],lex:res,w:
-2,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(2,3),p(4,5)],hp:[p(2,3)],index:i(p(2,3)),distance:[1],cat:np,class:common,sem:
[thing,abstract],number:pl,person:3,gender:fem,type:core,lex:res,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:rebus,lex:res,case:abl,gender:fem,class:common,ab:no,number:pl,sem:[thing,abstract]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:abl,number:pl,gender:fem,lex:arduus,type:std,w:1,c_str:arduus]]]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:memini_remember

polarity:pos

cat:vg

* memento *

pos:v

lex:memini

voice:act

tense:future

mood:imperative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

cat:pred

mood:infinitive

tense:present

* aequam * * rebus * * in * * arduis * * seruare * * mentem *

case:or([nom,acc])

polarity:pos

c_str

vg

selected_reading:servo_keep

polarity:pos

cat:vg

* seruare *

pos:v

lex:seruare

voice:act


```

tense:present
mood:infinitive
object
  * mentem *
  index:i(p(6,7))
  cat:np
  sem:[abstract]
  number:sing
  person:3
  gender:fem
  lex:mens
  case:acc
  c_str
  mentem
object_cplt
  cat:adjp
  * aequam *
  case:acc
  number:sing
  gender:fem
  lex:aequus
  c_str
  aequus
prep_phrase_adjunct_3
  * rebus * in * arduis *
  index:i(p(2,3))
  case:abl
  prep:in
  sem:[thing,abstract]
  lex:res
  cat:pp
  c_str
  prep:in
  head
    * rebus * arduis *
    index:i(p(2,3))
    cat:np
    sem:[thing,abstract]
    number:pl
    person:3
    gender:fem
    lex:res
    case:abl
    c_str
    head
      * rebus *
      pos:noun
      lex:res
      case:abl
      gender:fem
      number:pl
      sem:[thing,abstract]
    adjp
      cat:adjp
      * arduis *
      case:abl
      number:pl
      gender:fem
      lex:arduus
      c_str
      arduus

```

Comment : parses OK ; they differ in assigning the prep phrase rebus in arduis

% 61 Ovidius Ars Am 1 132.

Haec mihi si dederis commoda miles ero.

[0/haec,1/mihi,2/si,3/dederis,4/commoda,5/miles,6/ero,endpos(7)]
cputime : 1.09375

Parse A

4.99--->

```
[clause_semantics:_13098,subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:do_give,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_13302,w:0,pos:v,class:tr_cod_coi,type:finite,lex:dare,voice:act,txt:dederis,tense:perfect,kind:std,mood:subjunctive,number:sing,
person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[3],cat:np,class:common,sem:
[abstract,thing],number:pl,person:3,gender:neuter,type:core,lex:commodus,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,origin:adj,txt:commoda,lex:commodus,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:
[abstract,thing],c_str:commodus],adjp:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:pl,gender:neuter,lex:hic,type:tool,w:1,c_str:hic]]],i_object:[pathlist:[p(1,2)],hp:
[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1sg]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_14608,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:ero,tense:future,kind:std,mood:indicative,
number:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:
[case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:miles,txt:miles,case:nom,w:1,c_str:miles]]]
```

```
subordinator
lex:si
pos:sub
mood:subjunctive
subordinate_clause
si
illocutionary_force:statement
vg
selected_reading:do_give
polarity:pos
cat:vg
* dederis *
pos:v
lex:dare
voice:act
tense:perfect
mood:subjunctive
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
case:nom
object
* haec * * commoda *
index:i(p(4,5))
cat:np
sem:[abstract,thing]
```

```

number:pl
person:3
gender:neuter
lex:commodus
case:acc
c_str
  head
    * comoda *
    pos:noun
    lex:commodus
    case:acc
    gender:neuter
    number:pl
    sem:[abstract,thing]
    c_str
      commodus
  adjp
    cat:adjp
    * haec *
    case:acc
    number:pl
    gender:neuter
    lex:hic
    c_str
      hic
i_object
  * mihi *
  index:i(p(1,2))
  cat:np
  sem:[hum]
  lex:pp1sg
  number:sing
  person:1
  gender:or([masc,fem])
  case:dat
  c_str
    pp1sg
main_clause
  illocutionary_force:statement
  vg
    selected_reading:sum_be
    polarity:pos
    cat:vg
    * ero *
    pos:v
    lex:esse
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:1
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[case:nom]
    case:nom
  predicative
    * miles *
    index:i(p(5,6))
    cat:np

```

sem:[hum]
number:sing
person:3
gender:masc
lex:miles
case:nom
c_str
miles

Parse B

4.99--->

```
[clause_semantics:open,subordinator:[lex:si,pos:sub,argbound:no,mood:indicative],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:do_give,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_9024,w:0,pos:v,class:tr_cod_coi,type:finite,lex:dare,voice:act,txt:dederis,tense:future_perfect,kind:std,mood:i
ndicative,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[3],cat:np,class:common,sem:
[abstract,thing],number:pl,person:3,gender:neuter,type:core,lex:commodus,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,origin:adj,txt:commoda,lex:commodus,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:
[abstract,thing],c_str:commodus],adjp:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:pl,gender:neuter,lex:hic,type:tool,w:1,c_str:hic]]],i_object:[pathlist:[p(1,2)],hp:
[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1sg]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_10330,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:ero,tense:future,kind:std,mood:indicative,numb
er:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:
[case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:miles,txt:miles,case:nom,w:1,c_
str:miles]]]
```

```
clause_semantics:open
subordinator
  lex:si
  pos:sub
  mood:indicative
subordinate_clause
  si
    illocutionary_force:statement
    vg
      selected_reading:do_give
      polarity:pos
      cat:vg
      * dederis *
      pos:v
      lex:dare
      voice:act
      tense:future_perfect
      mood:indicative
      number:sing
      person:2
    subject
      source:context_retrievable
      number:sing
      gender:or([masc,fem])
      person:2
      cat:np
      index:i(0,0)
      case:nom
    object
      * haec * * commoda *
      index:i(p(4,5))
      cat:np
      sem:[abstract,thing]
      number:pl
      person:3
      gender:neuter
      lex:commodus
      case:acc
```

```

c_str
  head
    * commoda *
    pos:noun
    lex:commodus
    case:acc
    gender:neuter
    number:pl
    sem:[abstract,thing]
    c_str
    commodus
  adjp
    cat:adjp
    * haec *
    case:acc
    number:pl
    gender:neuter
    lex:hic
    c_str
    hic
i_object
  * mihi *
  index:i(p(1,2))
  cat:np
  sem:[hum]
  lex:pp1sg
  number:sing
  person:1
  gender:or([masc,fem])
  case:dat
  c_str
  pp1sg
main_clause
  illocutionary_force:statement
  vg
    selected_reading:sum_be
    polarity:pos
    cat:vg
    * ero *
    pos:v
    lex:esse
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:1
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[case:nom]
    case:nom
  predicative
    * miles *
    index:i(p(5,6))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:miles

```

case:nom
c_str
miles

Comment : parses OK, differ in clause-semantics feature : open vs non-assigned

% 62 Peruigilium Veneris 1.

Cras amet qui numquam amavit.

[0/cras,1/amet,2/qui,3/numquam,4/amauit,endpos(5)]
cputime : 0.09375

Parse A

1--->

```
[illocutionary_force:statement,vg:[selected_reading:amo_love,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_6690,w:0,pos:v,class:tr_cod,type:finite,lex:amare,voice:act,txt:amet,tense:present,kind:std,mood:subjunctive,
number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(3,4),p(4,5)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,sem:[hum],person:3,case:or([nom,acc,dat]),lex:dummy_np,w:1,c_str:
[head:[lex:dummy_np,number:sing,gender:masc,person:3,index:_7168,constraints_to_be_met:
[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]]],rel_clause:[pathlist:
[p(2,3),p(3,4),p(4,5)],distance:[0],gap:[gap:[type:np,index:dummy_np,function:subject,subject:[e:dummy_np],constraints:
[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:
[hum]]]],index:dummy_np,number:sing,gender:masc,case:nom,person:3,reltype:restrictive,type:finite,mood:indicative,tense:p
erfect,constraints:[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]],w:1,c_str:
[illocutionary_force:statement,vg:[selected_reading:amo_love,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_7648,w:0,pos:v,class:tr_cod,type:finite,lex:amare,voice:act,txt:amauit,tense:perfect,kind:std,mood:indicative,n
umber:sing,person:3],subject:[index:dummy_np],adverbial_adjunct:[cat:advp,pathlist:[p(3,4)],distance:
[0],type:vpbound,lex:numquam,sem:time,w:1,c_str:[head:numquam]]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:
[0],type:vpbound,lex:cras,sem:time,w:1,c_str:[head:cras]]]
```

illocutionary_force:statement

vg

selected_reading:amo_love

polarity:pos

cat:vg

* amet *

pos:v

lex:amare

voice:act

tense:present

mood:subjunctive

number:sing

person:3

subject

number:sing

gender:masc

* qui * * numquam * * amaui *

cat:np

index:dummy_np

sem:[hum]

person:3

case:or([nom,acc,dat])

lex:dummy_np

c_str

head

lex:dummy_np

number:sing

gender:masc

person:3

constraints_to_be_met:[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]]

rel_clause

* qui * * numquam * * amaui *

index:dummy_np

number:sing

gender:masc


```
case:nom
person:3
reltype:restrictive
mood:indicative
tense:perfect
c_str
  illocutionary_force:statement
  vg
    selected_reading:amo_love
    polarity:pos
    cat:vg
    * amauit *
    pos:v
    lex:amare
    voice:act
    tense:perfect
    mood:indicative
    number:sing
    person:3
  subject
    index:dummy_np
  adverbial_adjunct
    cat:advp
    * numquam *
    lex:numquam
    sem:time
    c_str
      head
      numquam
adverbial_adjunct
  cat:advp
  * cras *
  lex:cras
  sem:time
  c_str
    head
    cras
```

Parse B

1--->

```
[illocutionary_force:statement,vg:[selected_reading:amo_love,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_8218,w:0,pos:v,class:tr_cod,type:finite,lex:amare,voice:act,txt:amet,tense:present,kind:std,mood:subjunctive,
number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_8410,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(2,3),p(3,4),p(4,5)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,number:sing,gender:masc,sem:
[hum]],person:3,case:or([nom,acc,dat]),lex:dummy_np,w:1,c_str:[head:
[lex:dummy_np,number:sing,gender:masc,person:3,index:_8870,constraints_to_be_met:
[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]]],rel_clause:[pathlist:
[p(2,3),p(3,4),p(4,5)],distance:[0],gap:[gap:[type:np,index:dummy_np,function:subject,subject:[e:dummy_np],constraints:
[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:
[hum]]]],index:dummy_np,number:sing,gender:masc,case:nom,person:3,reltype:restrictive,type:finite,mood:indicative,tense:p
erfect,constraints:[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]],w:1,c_str:
[illocutionary_force:statement,vg:[selected_reading:amo_love,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_9350,w:0,pos:v,class:tr_cod,type:finite,lex:amare,voice:act,txt:amaui,tense:perfect,kind:std,mood:indicative,n
umber:sing,person:3],subject:[index:dummy_np],adverbial_adjunct:[cat:advp,pathlist:[p(3,4)],distance:
[0],type:vpbound,lex:numquam,sem:time,w:1,c_str:[head:numquam]]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:
[0],type:vpbound,lex:cras,sem:time,w:1,c_str:[head:cras]]]
```

illocutionary_force:statement

vg

selected_reading:amo_love

polarity:pos

cat:vg

* amet *

pos:v

lex:amare

voice:act

tense:present

mood:subjunctive

number:sing

person:3

subject

source:context_retrievable

number:sing

person:3

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* qui ** numquam ** amaui *

cat:np

index:dummy_np

number:sing

gender:masc

sem:[hum]

person:3

case:or([nom,acc,dat])

lex:dummy_np

c_str

head

lex:dummy_np

number:sing

gender:masc

person:3

constraints_to_be_met:[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]]

rel_clause

```

* qui * * numquam * * amauit *
index:dummy_np
number:sing
gender:masc
case:nom
person:3
reltype:restrictive
mood:indicative
tense:perfect
c_str
  illocutionary_force:statement
  vg
    selected_reading:amo_love
    polarity:pos
    cat:vg
    * amauit *
    pos:v
    lex:amare
    voice:act
    tense:perfect
    mood:indicative
    number:sing
    person:3
  subject
    index:dummy_np
  adverbial_adjunct
    cat:advp
    * numquam *
    lex:numquam
    sem:time
    c_str
      head
      numquam
adverbial_adjunct
  cat:advp
  * cras *
  lex:cras
  sem:time
  c_str
    head
    cras

```

Comment : parse A is OK, parse B is wrong in its subject assignment

% 63 Sallustius Bellum Iugurthinum V 1.

Superbiae nobilitatis obviam itum est.

[0/superbiae,1/nobilitatis,2/obuiam,3/itum,4/est,endpos(5)]
cputime : 0.1875

7.5--->

[vg:[selected_reading:obuiam_eo_oppose_IDIOM,polarity:pos,cat:vg,type:finite,pathlist:[p(3,4),p(4,5)],hp:
[p(3,4)],lex:ire,person:3,mood:indicative,tense:perfect,voice:middle,number:sing,gender:neuter,w:3],prep_cplt:[pathlist:
[p(0,1),p(1,2),p(2,3)],hp:[p(0,1)],distance:[0],index:i([p(0,1)]),case:dat,prep:obuiam,sem:[quality],lex:superbia,w:1.5,cat:pp,c_str:
[prep:obuiam,head:[pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i([p(0,1)]),distance:[0],sem:
[quality],number:sing,person:3,cat:np,lex:superbia,lextype:full,gender:fem,type:full,case:dat,class:common,w:1.5,c_str:[head:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:superbia,txt:superbiae,case:dat
,w:1,c_str:superbiae],noun_cplt:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:nobilitas,txt:nobilitatis,case:ge
n,w:1,c_str:nobilitatis]]]]]]]

vg

selected_reading:obuiam_eo_oppose_IDIOM

polarity:pos

cat:vg

* itum * * est *

lex:ire

person:3

mood:indicative

tense:perfect

voice:middle

number:sing

gender:neuter

prep_cplt

* superbiae * * nobilitatis * * obuiam *

index:i([p(0,1)])

case:dat

prep:obuiam

sem:[quality]

lex:superbia

cat:pp

c_str

prep:obuiam

head

* superbiae * * nobilitatis *

index:i([p(0,1)])

sem:[quality]

number:sing

person:3

cat:np

lex:superbia

gender:fem

case:dat

c_str

head

* superbiae *

index:i(p(0,1))

cat:np

sem:[quality]

number:sing

person:3

gender:fem

lex:superbia

case:dat

c_str
superbiae
noun_cplt
* nobilitatis *
index:i(p(1,2))
cat:np
sem:[quality]
number:sing
person:3
gender:fem
lex:nobilitas
case:gen
c_str
nobilitatis

Comment : parse OK, analysis of obviam debatable

% 64 Sallustius Bellum Iugurthinum XX 5.

Legatos ad Iugurtham de iniuriis questum misit.

[0/legatos,1/ad,2/iugurtham,3/de,4/iniuriis,5/questum,6/misit,endpos(7)]
cputime : 2.71875

11.92--->

[illocutionary_force:statement,vg:[selected_reading:mitto_send,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_9026,w:0,pos:v,class:tr_cod_coi,type:finite,lex:mittere,voice:act,txt:misit,tense:perfect,kind:std,mood:indicati
ve,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_9218,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:legatus,txt:legatos,case:acc,w:1,c_
str:legatos],prep_cplt:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:acc,prep:ad,sem:
[male],lex:iugurtha,w:1,type:core,cat:pp,c_str:[prep:ad,head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[male],class:proper,lex:iugurtha,lextype:full,number:sing,person:3,gender:masc,type:core,case:acc,w:1,c_str:iugurtha]]],cplt:
[cat:pred,type:nonfinite_i,mood:supine,tense:present,class:m,pathlist:[p(3,4),p(4,5),p(5,6)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,gap:[],w:7,c_str:[vg:
[selected_reading:queror_complain,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_10406,w:0,pos:v,class:tr_cod,type:supine,lex:queri,txt:questum,kind:dep,mood:supine,person:3,case:_10526],
prep_cplt:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],distance:[0],index:i(p(4,5)),case:abl,prep:de,sem:
[quality],lex:iniuria,w:1,type:core,cat:pp,c_str:[prep:de,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:iniuria,txt:iniuriis,case:abl,w:1,c_
str:iniuriis]]]]]]]

illocutionary_force:statement
vg
 selected_reading:mitto_send
 polarity:pos
 cat:vg
 * misit *
 pos:v
 lex:mittere
 voice:act
 tense:perfect
 mood:indicative
 number:sing
 person:3
subject
 source:context_retrievable
 number:sing
 person:3
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
object
 * legatos *
 index:i(p(0,1))
 cat:np
 sem:[hum]
 number:pl
 person:3
 gender:masc
 lex:legatus
 case:acc
 c_str
 legatos
prep_cplt
 * ad * * iugurtham *
 index:i(p(2,3))

```

case:acc
prep:ad
sem:[male]
lex:iugurtha
cat:pp
c_str
  prep:ad
  head
    * iugurtham *
    index:i(p(2,3))
    cat:np
    sem:[male]
    lex:iugurtha
    number:sing
    person:3
    gender:masc
    case:acc
    c_str
      iugurtha
cplt
  cat:pred
  mood:supine
  tense:present
  * de * * iniuriis * * questum *
  number:sing
  gender:neuter
  case:or([nom,acc])
  person:3
  c_str
    vg
      selected_reading:queror_complain
      polarity:pos
      cat:vg
      * questum *
      pos:v
      lex:queri
      mood:supine
      person:3
    prep_cplt
      * de * * iniuriis *
      index:i(p(4,5))
      case:abl
      prep:de
      sem:[quality]
      lex:iniuria
      cat:pp
      c_str
        prep:de
        head
          * iniuriis *
          index:i(p(4,5))
          cat:np
          sem:[quality]
          number:pl
          person:3
          gender:fem
          lex:iniuria
          case:abl
          c_str
            iniuriis

```

Comment : parse OK

% 65 Sallustius Bellum Iugurthinum XIV 8.

Ego eis finibus eiectus sum quos maioribus meis populus Romanus dedit.

[0/ego,1/eis,2/finibus,3/eiectus,4/sum,5/quos,6/majoribus,7/meis,8/populus,9/romanus,10/dedit,endpos(11)]
cputime : 58.015625

27.98--->

[illocutionary_force:statement,vg:[selected_reading:eiicio_expulse,polarity:pos,cat:vg,type:finite,pathlist:[p(3,4),p(4,5)],hp:
[p(3,4)],lex:eiicere,person:1,mood:indicative,tense:perfect,voice:pass,number:sing,gender:masc,w:20],subject:
[number:sing,gender:or([masc,fem]),pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,person:1,type:core,case:nom,w:1,c_str:pp1sg],cplt:[pathlist:
[p(1,2),p(2,3),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11)],hp:[p(2,3)],distance:
[1],cat:np,type:full,class:common,lextype:full,index:i(p(2,3)),number:pl,gender:masc,sem:
[thing,loc],person:_14128,case:abl,lex:finis,w:6.98,c_str:[head:[head:[pathlist:
[p(2,3)],pos:noun,txt:finibus,lex:finis,case:abl,gender:masc,class:common,ab:no,number:pl,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:[p(1,2)],case:abl,number:pl,gender:or([masc,fem,neuter]),lex:(is),type:tool,w:1,c_str:
(is)],rel_clause:[pathlist:[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11)],distance:[0],gap:[gap:
[type:np,index:i(p(2,3)),function:object,object:[e:i(p(2,3))],constraints:[case:acc,sem:
[thing]]],index:i(p(2,3)),number:pl,gender:masc,case:acc,person:3,reltype:restrictive,type:finite,mood:indicative,tense:perfect,c
onstraints:[case:acc,sem:[thing]],w:5.98,c_str:[illocutionary_force:statement,vg:
[selected_reading:do_give,polarity:pos,cat:vg,pathlist:[p(10,11)],hp:
[p(10,11)],gender:_14996,w:0,pos:v,class:tr_cod_coi,type:finite,lex:dare,voice:act,txt:dedit,tense:perfect,kind:std,mood:indicat
ive,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(8,9),p(9,10)],hp:[p(8,9)],index:i(p(8,9)),distance:
[0],cat:np,class:common,sem:[hum],person:3,type:core,lex:populus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(8,9)],pos:noun,txt:populus,lex:populus,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(9,10)],distance:[0],hp:
[p(9,10)],case:nom,number:sing,gender:masc,lex:romanus,type:std,w:1,c_str:romanus]],object:[e:i(p(2,3))],i_object:[pathlist:
[p(6,7),p(7,8)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,class:common,sem:
[hum],number:pl,person:3,gender:masc,type:core,lex:maiores,lextype:full,case:dat,w:2,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:maioribus,lex:maiores,case:dat,gender:masc,class:common,ab:no,number:pl,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(7,8)],distance:[0],hp:[p(7,8)],case:dat,number:pl,gender:masc,lex:meus,type:poss,w:1,c_str:meus]]]]]]]]]]

illocutionary_force:statement

vg

selected_reading:eiicio_expulse

polarity:pos

cat:vg

* eiectus * * sum *

lex:eiicere

person:1

mood:indicative

tense:perfect

voice:pass

number:sing

gender:masc

subject

number:sing

gender:or([masc,fem])

* ego *

index:i(p(0,1))

cat:np

sem:[hum]

lex:pp1sg

person:1

case:nom

c_str

pp1sg

cplt

* eis * * finibus * * quos * * maioribus * * meis * * populus * * romanus * * dedit *

cat:np

index:i(p(2,3))

number:pl

gender:masc
 sem:[thing,loc]
 case:abl
 lex:finis
 c_str
 head
 head
 * finibus *
 pos:noun
 lex:finis
 case:abl
 gender:masc
 number:pl
 sem:[thing,loc]
 adjp
 cat:adjp
 * eis *
 case:abl
 number:pl
 gender:or([masc,fem,neuter])
 lex:(is)
 c_str
 is
 rel_clause
 * quos * * maioribus * * meis * * populus * * romanus * * dedit *
 index:i(p(2,3))
 number:pl
 gender:masc
 case:acc
 person:3
 reltype:restrictive
 mood:indicative
 tense:perfect
 c_str
 illocutionary_force:statement
 vg
 selected_reading:do_give
 polarity:pos
 cat:vg
 * dedit *
 pos:v
 lex:dare
 voice:act
 tense:perfect
 mood:indicative
 number:sing
 person:3
 subject
 number:sing
 gender:masc
 * populus * * romanus *
 index:i(p(8,9))
 cat:np
 sem:[hum]
 person:3
 lex:populus
 case:nom
 c_str
 head
 * populus *
 pos:noun
 lex:populus
 case:nom
 gender:masc

```

        number:sing
        sem:[hum]
    adjp
        cat:adjp
        * romanus *
        case:nom
        number:sing
        gender:masc
        lex:romanus
        c_str
        romanus
object
    ei(p(2,3))
i_object
    * maioribus * * meis *
    index:i(p(6,7))
    cat:np
    sem:[hum]
    number:pl
    person:3
    gender:masc
    lex:maiores
    case:dat
    c_str
    head
        * maioribus *
        pos:noun
        lex:maiores
        case:dat
        gender:masc
        number:pl
        sem:[hum]
    adjp
        cat:adjp
        * meis *
        case:dat
        number:pl
        gender:masc
        lex:meus
        c_str
        meus

```

Comment : parse OK

Bellum scripsi quod populus Romanus cum rege Numidarum gessit.

10.0--->

illocutionary_force:statement

vg

polarity:pos

cat:vg

* scripsi *

pos:v

lex:scribere

voice:act

tense:perfect

mood:indicative

number:sing

person:1

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:1

cat:np

index:i(0,0)

```
constraints_to_be_met:[sem:[hum]]
```

case:nom

object

* bellum ** quod ** populus ** romanus ** cum ** rege ** numidarum ** gessit *

cat:np

$$\text{index:i}(\mathbf{p}(0,1))$$

number:sing

gender:neuter

```

sem:[thing]
case:acc
lex:bellum
c_str
  head
  bellum
  rel_clause
    * quod ** populus ** romanus ** cum ** rege ** numidarum ** gessit *
    index:i(p(0,1))
    number:sing
    gender:neuter
    case:acc
    person:3
    reltype:restrictive
    mood:indicative
    tense:perfect
    c_str
      illocutionary_force:statement
      vg
        selected_reading:bellum_gero_make_war_IDIOM
        polarity:pos
        cat:vg
        * gessit *
        pos:v
        lex:gerere
        voice:act
        tense:perfect
        mood:indicative
        number:sing
        person:3
      subject
        number:sing
        gender:masc
        * populus ** romanus *
        index:i(p(3,4))
        cat:np
        sem:[hum]
        person:3
        lex:populus
        case:nom
      c_str
        head
          * populus *
          pos:noun
          lex:populus
          case:nom
          gender:masc
          number:sing
          sem:[hum]
        adjp
          cat:adjp
          * romanus *
          case:nom
          number:sing
          gender:masc
          lex:romanus
          c_str
            romanus
      object
        ei(p(0,1))
    prep_cplt
      * cum ** rege ** numidarum *
      index:i([p(6,7)])
      case:abl

```

```

prep:cum
sem:[hum]
lex:rex
cat:pp
c_str
  prep:cum
  head
    * rege * * numidarum *
    index:i([p(6,7)])
    sem:[hum]
    number:sing
    person:3
    cat:np
    lex:rex
    gender:masc
    case:abl
    c_str
      head
        * rege *
        index:i(p(6,7))
        cat:np
        sem:[hum]
        number:sing
        person:3
        gender:masc
        lex:rex
        case:abl
        c_str
          rege
      noun_cplt
        * numidarum *
        index:i(p(7,8))
        cat:np
        sem:[male]
        lex:numida
        number:pl
        person:3
        gender:masc
        case:gen
        c_str
          numida

```

Comment : parse OK

% 67 Sallustius Bellum Iugurthinum LXXXV 31.

Ipsa se uirtus satis ostendit.

[0/ipsa,1/se,2/uirtus,3/satis,4/ostendit,endpos(5)]
cputime : 0.34375

Parse A

2.98--->

[illocutionary_force:statement,vg:[selected_reading:ostendo_show,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_6812,w:0,pos:v,class:tr_cod,type:finite,lex:ostendere,voice:act,txt:ostendit,tense:present,kind:std,mood:indica
tive,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(0,1),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[1],cat:np,class:common,sem:[quality,hum],person:3,type:core,lex:uirtus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:uirtus,lex:uirtus,case:nom,gender:fem,class:common,ab:mm,number:sing,sem:[quality,hum]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:[p(0,1)],case:nom,number:sing,gender:fem,lex:ipse,type:tool,w:1,c_str:ipse]]],object:
[number:sing,gender:fem,pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(2,3)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp3refl,emphasis:no,person:3,type:core,case:acc,w:1,c_str:pp3refl],adverbial_adjunct:[cat:advp,pathlist:
[p(3,4)],distance:[0],type:clausal,lex:satis,sem:eval,w:1,c_str:[head:satis]]]

illocutionary_force:statement

vg

selected_reading:ostendo_show

polarity:pos

cat:vg

* ostendit *

pos:v

lex:ostendere

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* ipsa * * uirtus *

index:i(p(2,3))

cat:np

sem:[quality,hum]

person:3

lex:uirtus

case:nom

c_str

head

* uirtus *

pos:noun

lex:uirtus

case:nom

gender:fem

number:sing

sem:[quality,hum]

adjp

cat:adjp

* ipsa *

case:nom

number:sing

gender:fem

lex:ipse

c_str

ipse
object
 number:sing
 gender:fem
 * se *
 index:i(p(2,3))
 cat:np
 sem:[hum]
 lex:pp3refl
 emphasis:no
 person:3
 case:acc
 c_str
 pp3refl
adverbial_adjunct
 cat:advp
 * satis *
 lex:satis
 sem:eval
 c_str
 head
 satis

Parse B

2.98--->

[illocutionary_force:statement,vg:[selected_reading:ostendo_show,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:[p(4,5)],gender:_8052,w:0,pos:v,class:tr_cod,type:finite,lex:ostendere,voice:act,txt:ostendit,tense:perfect,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(0,1),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[1],cat:np,class:common,sem:[quality,hum],person:3,type:core,lex:uirtus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:[p(2,3)],pos:noun,txt:uirtus,lex:uirtus,case:nom,gender:fem,class:common,ab:mm,number:sing,sem:[quality,hum]],adjp:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:[p(0,1)],case:nom,number:sing,gender:fem,lex:ipse,type:tool,w:1,c_str:ipse]]],object:[number:sing,gender:fem,pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(2,3)),distance:[0],cat:np,sem:[hum],class:proper,lex:pp3refl,emphasis:no,person:3,type:core,case:acc,w:1,c_str:pp3refl],adverbial_adjunct:[cat:advp,pathlist:[p(3,4)],distance:[0],type:clausal,lex:satis,sem:eval,w:1,c_str:[head:satis]]]

illocutionary_force:statement

vg

selected_reading:ostendo_show

polarity:pos

cat:vg

* ostendit *

pos:v

lex:ostendere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* ipsa * * uirtus *

index:i(p(2,3))

cat:np

sem:[quality,hum]

person:3

lex:uirtus

case:nom

c_str

head

* uirtus *

pos:noun

lex:uirtus

case:nom

gender:fem

number:sing

sem:[quality,hum]

adjp

cat:adjp

* ipsa *

case:nom

number:sing

gender:fem

lex:ipse

c_str

ipse

object

number:sing

gender:fem

* se *

index:i(p(2,3))

cat:np

sem:[hum]

lex:pp3refl

emphasis:no
person:3
case:acc
c_str
pp3refl
adverbial_adjunct
cat:advp
* satis *
lex:satis
sem:eval
c_str
 head
 satis

Comment : parses OK, differ in tense assignment to ostendit : present vs perfect

% 68 Sallustius Bellum Iugurthinum LXXXV 31.

Illis artificio opus est ut turpia facta oratione tegant.

[0/illis,1/artificio,2/opus,3/est,4/ut,5/turpia,6/facta,7/oratione,8/tegant,endpos(9)]

cpuptime : 10.09375

11.96--->

```
[clause_semantics:_13344,subordinator:
[lex:ut,pos:sub,argbound:no,mood:subjunctive,value:or([purpose,consequence])],subordinate_clause:[ut,
[illocutionary_force:statement,vg:[selected_reading:tego_cover,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_13576,w:0,pos:v,class:tr_cod,type:finite,lex:tegere,voice:act,txt:tegant,tense:present,kind:std,mood:subjunctiv
e,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_13768,person:3,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(5,6),p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:neuter,type:core,lex:factum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:facta,lex:factum,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:acc,number:pl,gender:neuter,lex:turpis,type:std,w:1,c_str:turpis]]],adjunct:[pathlist:[p(7,8)],distance:
[0],class:adjunct,value:manner_means,type:core,w:0,c_str:oratione]]],main_clause:[illocutionary_force:statement,vg:
[selected_reading:opus_est_need_IDIOM,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_14696,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:est,tense:present,kind:std,mood:indicative,numb
er:sing,person:3],subject:[number:sing,gender:neuter,pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:opus,txt:opus,case:nom,w:1,c_str:opus],object:
[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:noun,number:sing,gender:neuter,type:core,lex:artificium,txt:artifici
o,case:abl,w:1,c_str:artificio],i_object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:dem,lex:prdemdatabl3gpl,number:pl,gender:or([masc,fem,neuter]),type:core,case:dat,w:1,c_str:prdemdat
abl3gpl]]]]
```

```
subordinator
lex:ut
pos:sub
mood:subjunctive
value:or([purpose,consequence])
subordinate_clause
ut
illocutionary_force:statement
vg
selected_reading:tego_cover
polarity:pos
cat:vg
* tegant *
pos:v
lex:tegere
voice:act
tense:present
mood:subjunctive
number:pl
person:3
subject
source:context_retrievable
number:pl
person:3
cat:np
index:i(0,0)
case:nom
object
* turpia * * facta *
index:i(p(6,7))
cat:np
```

```

    sem:[abstract]
    number:pl
    person:3
    gender:neuter
    lex:factum
    case:acc
    c_str
    head
        * facta *
        pos:noun
        lex:factum
        case:acc
        gender:neuter
        number:pl
        sem:[abstract]
    adjp
        cat:adjp
        * turpia *
        case:acc
        number:pl
        gender:neuter
        lex:turpis
        c_str
        turpis
    adjunct
        * oratione *
        value:manner_means
        c_str
        oratione
main_clause
    illocutionary_force:statement
    vg
        selected_reading:opus_est_need_IDIOM
        polarity:pos
        cat:vg
        * est *
        pos:v
        lex:esse
        voice:act
        tense:present
        mood:indicative
        number:sing
        person:3
    subject
        number:sing
        gender:neuter
        * opus *
        index:i(p(2,3))
        cat:np
        sem:[abstract,thing]
        person:3
        lex:opus
        case:nom
        c_str
        opus
    object
        * artificio *
        index:i(p(1,2))
        cat:np
        sem:[abstract,thing]
        number:sing
        person:3
        gender:neuter
        lex:artificium

```

case:abl
c_str
artificio
i_object
* illis *
index:i(p(0,1))
cat:np
sem:[hum]
lex:prdemdatabl3gpl
number:pl
person:3
gender:or([masc,fem,neuter])
case:dat
c_str
prdemdatabl3gpl

Comment : parse OK

% 69 Sallustius Bellum Iugurthinum LXXXV 14.

Contemnunt novitatem meam, ego illorum ignaviam.

[0/contemnunt,1/novitatem,2/meam,3/(',),4/ego,5/illorum,6/ignaviam,endpos(7)]
cputime : 0.171875

6.98--->

[illocutionary_force:statement,vg:[selected_reading:contemno_despise,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_11152,w:0,pos:v,class:tr_cod,type:finite,lex:contemnere,voice:act,txt:contemnunt,tense:present,kind:std,moo
d:indicative,number:pl,person:3],arglist:[subject:
[source:context_retrievable,number:pl,gender:_11356,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(1,2),p(2,3)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,class:common,sem:[quality],number:sing,person:3,gender:fem,type:core,lex:nouitas,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(1,2)],pos:noun,txt:novitatem,lex:nouitas,case:acc,gender:fem,class:common,ab:no,number:sing,sem:
[quality]],adjp:[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:acc,number:sing,gender:fem,lex:meus,type:poss,w:1,c_str:meus]]],linker:comma,arglist:[subject:
[number:sing,gender:or([masc,fem]),pathlist:[p(4,5),p(5,6)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],lex:pp1sg,class:prpers,type:core,person:3,case:nom,w:2,c_str:[pp1sg,[pathlist:[p(5,6)],hp:
[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[hum],class:dem,lex:prdemgenmascneuterpl,number:pl,person:3,gender:or([masc,neuter]),type:core,case:gen,w:1,c_str:prdem
genmascneuterpl]]],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:ignavia,txt:ignaviam,case:acc,
w:1,c_str:ignaviam]]]

illocutionary_force:statement

vg

selected_reading:contemno_despise

polarity:pos

cat:vg

* contemnunt *

pos:v

lex:contemnere

voice:act

tense:present

mood:indicative

number:pl

person:3

arglist

subject

source:context_retrievable

number:pl

person:3

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* novitatem * meam *

index:i(p(1,2))

cat:np

sem:[quality]

number:sing

person:3

gender:fem

lex:nouitas

case:acc

c_str

head

* novitatem *

pos:noun

lex:nouitas

case:acc

```

        gender:fem
        number:sing
        sem:[quality]
    adjp
        cat:adjp
        * meam *
        case:acc
        number:sing
        gender:fem
        lex:meus
        c_str
        meus
linker
comma
arglist
    subject
        number:sing
        gender:or([masc,fem])
        * ego * * illorum *
        index:i(p(4,5))
        cat:np
        sem:[hum]
        lex:pp1sg
        person:3
        case:nom
        c_str
        pp1sg
        * illorum *
        index:i(p(5,6))
        cat:np
        sem:[hum]
        lex:prdemgenmascneuterpl
        number:pl
        person:3
        gender:or([masc,neuter])
        case:gen
        c_str
        prdemgenmascneuterpl
    object
        * ignauiam *
        index:i(p(6,7))
        cat:np
        sem:[quality]
        number:sing
        person:3
        gender:fem
        lex:ignauia
        case:acc
        c_str
        ignauiam

```

Comment : wrong assignment of 'illorum' : belongs to 'ignaviam', not to 'ego'

% 70 Sallustius Bellum Iugurthinum LXXXV 14.

Mihi fortuna, illis probra obiectantur.

[0/mihi,1/fortuna,2/(',),3/illis,4/probra,5/obiectantur,endpos(6)]
cputime : 0.125

5.98--->

[illocutionary_force:statement,vg:[selected_reading:obiecto_reproach,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_7922,w:0,pos:v,class:tr_cod,type:finite,lex:obiectare,voice:pass,txt:obiectantur,tense:present,kind:std,mood:in
dicative,number:pl,person:3],arglist:[subject:[number:pl,gender:neuter,pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,person:3,type:core,lex:probrum,txt:probra,case:nom,w:1,c_str:probra],i_obje
ct:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:dem,lex:prdemdatabl3gpl,number:pl,person:3,gender:or([masc,fem,neuter]),type:core,case:dat,w:1,c_str:prdemdat
abl3gpl]],linker:comma,arglist:[subject:[number:sing,gender:fem,pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,sem:
[abstract,hum],class:common,lextype:full,origin:noun,person:3,type:core,lex:fortuna,txt:fortuna,case:nom,w:1,c_str:fortuna],i
_object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1sg]]]

illocutionary_force:statement

vg

selected_reading:obiecto_reproach

polarity:pos

cat:vg

* obiectantur *

pos:v

lex:obiectare

voice:pass

tense:present

mood:indicative

number:pl

person:3

arglist

subject

number:pl

gender:neuter

* probra *

index:i(p(4,5))

cat:np

sem:[abstract]

person:3

lex:probrum

case:nom

c_str

probra

i_object

* illis *

index:i(p(3,4))

cat:np

sem:[hum]

lex:prdemdatabl3gpl

number:pl

person:3

gender:or([masc,fem,neuter])

case:dat

c_str

prdemdatabl3gpl

linker

comma

arglist

subject

number:sing
gender:fem
* fortuna *
index:i(p(1,2))
cat:np
sem:[abstract,hum]
person:3
lex:fortuna
case:nom
c_str
fortuna
i_object
* mihi *
index:i(p(0,1))
cat:np
sem:[hum]
lex:pp1sg
number:sing
person:1
gender:or([masc,fem])
case:dat
c_str
pp1sg

Comment : parse OK

% 71 Cicero Pro Murena 84 1.

Mihi credite, iudices.

[0/mihi,1/credite,2/('),3/iudices,endpos(4)]

cputime : 0.171875

12--->

[illocutionary_force:statement,vg:[selected_reading:credo_believe,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:

[p(1,2)],gender:_5630,w:0,pos:v,class:tr_inf,type:finite,lex:credere,voice:act,txt:credite,tense:present,kind:std,mood:imperative
,number:pl,person:2],subject:

[source:context_retrievable,number:pl,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:

[hum]],distance:[0],pathlist:[],case:nom,w:0],i_object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:

[hum],class:proper,lex:pp1sg,number:sing,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1sg],address:

[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:address,sem:

[hum],class:common,lex:iudex,lextype:full,number:pl,person:2,gender:masc,type:core,case:voc,w:40,c_str:[address:iudices]]]

illocutionary_force:statement

vg

selected_reading:credo_believe

polarity:pos

cat:vg

* credite *

pos:v

lex:credere

voice:act

tense:present

mood:imperative

number:pl

person:2

subject

source:context_retrievable

number:pl

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

i_object

* mihi *

index:i(p(0,1))

cat:np

sem:[hum]

lex:pp1sg

number:sing

person:1

gender:or([masc,fem])

case:dat

c_str

pp1sg

address

* , * iudices *

index:i(p(3,4))

cat:address

sem:[hum]

lex:iudex

number:pl

person:2

gender:masc

case:voc

c_str

address

iudices

Comment : parse OK

% 72 Vergilius Eclogae 1 46.

Fortunate senex, ergo tua rura manebunt.

[0/fortunate,1/senex,2/(',),3/tua,4/rura,5/manebunt,endpos(6)]

cputime : 0.203125

25--->

```
[illocutionary_force:statement,vg:[selected_reading:maneo_stay,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_8782,w:0,pos:v,class:intr,type:finite,lex:manere,voice:act,txt:manebunt,tense:future,kind:std,mood:indicative,
number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,class:common,sem:[thing,loc,city],person:3,type:core,lex:rus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:rura,lex:rus,case:nom,gender:neuter,class:common,ab:no,number:pl,sem:[thing,loc,city]],adjp:
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:
[p(3,4)],case:nom,number:pl,gender:neuter,lex:tuus,type:poss,w:1,c_str:tuus]]],address:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:
[p(1,2)],index:i(p(1,2)),distance:[0],cat:address,sem:
[hum],class:common,lex:senex,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:[address:[head:
[pathlist:[p(1,2)],pos:noun,txt:senex,lex:senex,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:voc,number:sing,gender:masc,lex:fortunatus,type:std,w:1,c_str:fortunatus]]]]]
```

illocutionary_force:statement

vg

selected_reading:maneo_stay

polarity:pos

cat:vg

* manebunt *

pos:v

lex:manere

voice:act

tense:future

mood:indicative

number:pl

person:3

subject

number:pl

gender:neuter

* tua * * rura *

index:i(p(4,5))

cat:np

sem:[thing,loc,city]

person:3

lex:rus

case:nom

c_str

head

* rura *

pos:noun

lex:rus

case:nom

gender:neuter

number:pl

sem:[thing,loc,city]

adjp

cat:adjp

* tua *

case:nom

number:pl

gender:neuter

lex:tuus

c_str

tuus

address

```
* fortunate * * senex * * , *
index:i(p(1,2))
cat:address
sem:[hum]
lex:senex
number:sing
person:2
gender:masc
case:voc
c_str
  address
    head
      * senex *
      pos:noun
      lex:senex
      case:nom
      gender:masc
      number:sing
      sem:[hum]
    adjp
      cat:adjp
      * fortunate *
      case:voc
      number:sing
      gender:masc
      lex:fortunatus
      c_str
      fortunatus
```

Comment : parse OK

% 73 Vergilius Eclogae 1 6.

O Meliboe, deus nobis haec otia fecit.

[0/meliboe,1/(,),2/deus,3/nobis,4/haec,5/otia,6/fecit,endpos(7)]
cputime : 5.578125

29.990000000000002--->

[illocutionary_force:statement,vg:[selected_reading:facio_make,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_9732,w:0,pos:v,class:tr_cod,type:finite,lex:facere,voice:act,txt:fecit,tense:perfect,kind:std,mood:indicative,nu
mber:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,person:3,type:core,lex:deus,txt:deus,case:nom,w:1,c_str:deus],object:[pathlist:
[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,sem:_10274,class:dem,lex:prdemnomaccneuterpl,number:pl,person:3,gender:neuter,type:core,case:acc,w:1,c_str:pr
demnomaccneuterpl],object_cplt:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:otium,txt:otia,case:acc,w:1,c
_str:otia],dative_of_interest:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1pl,number:pl,person:1,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp1pl],address:[pathlist:
[p(0,1),p(1,2)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:address,sem:
[male],class:common,lex:meliboeus,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:
[address:meliboeus]]]

illocutionary_force:statement
vg

selected_reading:facio_make
polarity:pos
cat:vg
* fecit *
pos:v
lex:facere
voice:act
tense:perfect
mood:indicative
number:sing
person:3
subject
number:sing
gender:masc
* deus *
index:i(p(2,3))
cat:np
sem:[hum]
person:3
lex:deus
case:nom
c_str
deus

object

* haec *
index:i(p(4,5))
cat:np
lex:prdemnomaccneuterpl
number:pl
person:3
gender:neuter
case:acc
c_str
prdemnomaccneuterpl

object_cplt

* otia *
index:i(p(5,6))
cat:np
sem:[abstract]

```

number:pl
person:3
gender:neuter
lex:otium
case:acc
c_str
otia
dative_of_interest
* nobis *
index:i(p(3,4))
cat:np
sem:[hum]
lex:pp1pl
number:pl
person:1
gender:or([masc,fem])
case:dat
c_str
pp1pl
address
* meliboece * *, *
index:i(p(0,1))
cat:address
sem:[male]
lex:meliboeus
number:sing
person:2
gender:masc
case:voc
c_str
address
meliboeus

```

Comment : parse OK, but 'haec otia' could also be parsed as object instead of object (haec) and object cplt (otia)

% 74 Vergilius Eclogae 1 13.

Hanc etiam vix, Tityre, duco.

[0/hanc,1/uix,2/(,),3/tityre,4/(,),5/duco,endpos(6)]
cputime : 0.0625

25.96--->

[illocutionary_force:statement,vg:[selected_reading:duco_lead,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_8418,w:0,pos:v,class:tr_cod,type:finite,lex:ducere,voice:act,txt:duco,tense:present,kind:std,mood:indicative,n
umber:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:_8876,class:dem,lex:prdemaccfemsing,number:sing,person:3,gender:fem,type:core,case:acc,w:1,c_str:prdemacc
femsing],adverbial_adjunct:[cat:advp,pathlist:[p(1,2)],distance:[0],type:vpbound,lex:uix,sem:time,w:1,c_str:[head:uix]],address:
[pathlist:[p(2,3),p(3,4),p(4,5)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:address,sem:
[male],class:common,lex:tityrus,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:
[address:tityrus]]]

illocutionary_force:statement
vg
 selected_reading:duco_lead
 polarity:pos
 cat:vg
 * duco *
 pos:v
 lex:ducere
 voice:act
 tense:present
 mood:indicative
 number:sing
 person:1
subject
 source:context_retrievable
 number:sing
 gender:or([masc,fem])
 person:1
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
object
 * hanc *
 index:i(p(0,1))
 cat:np
 lex:prdemaccfemsing
 number:sing
 person:3
 gender:fem
 case:acc
 c_str
 prdemaccfemsing
adverbial_adjunct
 cat:advp
 * uix *
 lex:uix
 sem:time
 c_str
 head
 uix
address

```
*,** tityre **, *  
index:i(p(3,4))  
cat:address  
sem:[male]  
lex:tityrus  
number:sing  
person:2  
gender:masc  
case:voc  
c_str  
  address  
  tityrus
```

Comment : parse OK

% 75 Vergilius Eclogae 4 60.

Incipe, parve puer, risu cognoscere matrem.

[0/incipe,1/('),2/parue,3/puer,4/('),5/risu,6/cognoscere,7/matrem,endpos(8)]
cputime : 0.546875

29--->

```
illocutionary_force:statement,vg:
[selected_reading:cognosco_learn,polarity:pos,cat:vg,aux:incipere,value:inchoative,type:finite,pathlist:[p(0,1),p(6,7)],hp:
[p(6,7)],lex:cognoscere,person:2,mood:imperative,tense:present,voice:act,number:sing,gender:_14244,w:3],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:mater,txt:matrem,case:acc,w:1,c
_str:matrem],adjunct:[pathlist:[p(5,6)],distance:[0],class:adjunct,value:manner_means,type:core,w:0,c_str:risu],address:
[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:address,sem:
[hum],class:common,lex:puer,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:[address:[head:
[pathlist:[p(3,4)],pos:noun,txt:puer,lex:puer,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:voc,number:sing,gender:masc,lex:paruus,type:std,w:1,c_str:paruus]]]]]
```

illocutionary_force:statement

vg

selected_reading:cognosco_learn

polarity:pos

cat:vg

aux:incipere

value:inchoative

* incipe * * cognoscere *

lex:cognoscere

person:2

mood:imperative

tense:present

voice:act

number:sing

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

* matrem *

index:i(p(7,8))

cat:np

sem:[hum]

number:sing

person:3

gender:fem

lex:mater

case:acc

c_str

matrem

adjunct

* risu *

value:manner_means

c_str

risu

address


```
* , ** parue ** puer * , *  
index:i(p(3,4))  
cat:address  
sem:[hum]  
lex:puer  
number:sing  
person:2  
gender:masc  
case:voc  
c_str  
  address  
    head  
      * puer *  
      pos:noun  
      lex:puer  
      case:nom  
      gender:masc  
      number:sing  
      sem:[hum]  
    adjp  
      cat:adjp  
      * parue *  
      case:voc  
      number:sing  
      gender:masc  
      lex:paruus  
      c_str  
      paruus
```

Comment : parse OK if one is happy with inchoative aux

Insani feriant sine litora fluctus.

[0/insani,1/feriant,2/sine,3/litora,4/fluctus,endpos(5)]
cputime : 0.453125

1.9900000000000002--->

[illocutionary_force:statement,vg:[selected_reading:sino_allow,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_9250,w:0,pos:v,class:tr_inf,type:finite,lex:sinere,voice:act,txt:sine,tense:present,kind:std,mood:imperative,nu
mber:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:[p(0,1),p(1,2),p(3,4),p(4,5)],distance:
[3],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:3,gender:neuter,mood:subjunctive,tense:present,pol
arity:pos,argbound:no,gap:[],w:3.99,add:no,flagint:_9872,c_str:[illocutionary_force:statement,vg:
[selected_reading:ferio_strike,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_9998,w:0,pos:v,class:tr_cod,type:finite,lex:ferire,voice:act,txt:feriant,tense:present,kind:std,mood:subjunctive,
number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(0,1),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[3],cat:np,class:common,sem:[thing,loc],person:3,type:core,lex:fluctus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:fluctus,lex:fluctus,case:nom,gender:masc,class:common,ab:no,number:pl,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:pl,gender:masc,lex:insanus,type:std,w:1,c_str:insanus]]],object:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:litora,txt:litora,case:acc,w:1,c
_str:litora]]]]]

illocutionary_force:statement
vg
 selected_reading:sino_allow
 polarity:pos
 cat:vg
 * sine *
 pos:v
 lex:sinere
 voice:act
 tense:present
 mood:imperative
 number:sing
 person:2
subject
 source:context_retrievable
 number:sing
 gender:or([masc,fem])
 person:2
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
object
 cat:pred
 * insani ** feriant ** litora ** fluctus *
illocutionary_force:statement
 number:sing
 person:3
 vgperson:3
 gender:neuter
 mood:subjunctive
 tense:present
 polarity:pos
 add:no
 c_str
 illocutionary_force:statement
 vg

```

selected_reading:ferio_strike
polarity:pos
cat:vg
* feriant *
pos:v
lex:ferire
voice:act
tense:present
mood:subjunctive
number:pl
person:3
subject
  number:pl
  gender:masc
  * insani * * fluctus *
  index:i(p(4,5))
  cat:np
  sem:[thing,loc]
  person:3
  lex:fluctus
  case:nom
  c_str
    head
      * fluctus *
      pos:noun
      lex:fluctus
      case:nom
      gender:masc
      number:pl
      sem:[thing,loc]
    adjp
      cat:adjp
      * insani *
      case:nom
      number:pl
      gender:masc
      lex:insanus
      c_str
        insanus
object
  * litora *
  index:i(p(3,4))
  cat:np
  sem:[thing,loc]
  number:pl
  person:3
  gender:neuter
  lex:litus
  case:acc
  c_str
    litora

```

Comment : ALP gets it right, the reader that I am stumbles on 'sine' for a moment ... or more...

Ille sapientissimus vir Ithacam ut videret immortalitatem scribitur repudiasse.

[0/ille,1/sapientissimus,2/uir,3/ithacam,4/ut,5/videret,6/immortalitatem,7/scribitur,8/repudiavisse,endpos(9)]

cputime : 0.640625

7.98--->

```
[clause_semantics:_13822,subordinator:
[lex:ut,pos:sub,argbound:no,mood:subjunctive,value:or([purpose,consequence]),subordinate_clause:[ut,
[illocutionary_force:statement,vg:[selected_reading:uideo_see,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_14054,w:0,pos:v,class:tr_cod,type:finite,lex:uidere,voice:act,txt:videret,tense:imperfect,kind:std,mood:subjunctive,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_14246,person:3,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[country],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:ithaca,txt:ithacam,case:acc,w:
1,c_str:ithacam]]],main_clause:[vg:[polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_14736,w:0,pos:v,class:tr_cod,type:finite,lex:scribere,voice:pass,txt:scribitur,tense:present,kind:std,mood:indicative,number:sing,person:3],pred:[subject:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,class:common,sem:[male],number:sing,person:3,gender:masc,type:core,lex:uir,lextype:full,case:nom,w:3,c_str:[head:
[pathlist:[p(2,3)],pos:noun,txt:uir,lex:uir,case:nom,gender:masc,class:common,ab:no,number:sing,sem:[male]],adjp:
[cat:adjp,pathlist:[p(0,1),p(1,2)],distance:[0],hp:[p(1,2)],case:nom,number:sing,gender:masc,lex:sapiens,type:std,w:2,c_str:
[ille,sapiens]]],pred:[vg:[selected_reading:repudio1_reject,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_15616,w:0,pos:v,class:tr_cod,type:nonfinite,lex:repudiare,voice:act,txt:repudiare,tense:past,kind:std,mood:infinitive,number:_15748,person:_15760],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:immortalitas,txt:immortalitatem,case:acc,w:1,c_str:immortalitatem]]]]]
```

```
subordinator
lex:ut
pos:sub
mood:subjunctive
value:or([purpose,consequence])
subordinate_clause
ut
illocutionary_force:statement
vg
selected_reading:uideo_see
polarity:pos
cat:vg
* uideret *
pos:v
lex:uidere
voice:act
tense:imperfect
mood:subjunctive
number:sing
person:3
subject
source:context_retrievable
number:sing
person:3
cat:np
index:i(0,0)
case:nom
object
* ithacam *
index:i(p(3,4))
cat:np
sem:[country]
number:sing
person:3
gender:fem
lex:ithaca
```

```

        case:acc
        c_str
        ithacam
main_clause
  vg
    polarity:pos
    cat:vg
    * scribitur *
    pos:v
    lex:scribere
    voice:pass
    tense:present
    mood:indicative
    number:sing
    person:3
  pred
    subject
      * ille * * sapientissimus * * uir *
      index:i(p(2,3))
      cat:np
      sem:[male]
      number:sing
      person:3
      gender:masc
      lex:uir
      case:nom
      c_str
      head
        * uir *
        pos:noun
        lex:uir
        case:nom
        gender:masc
        number:sing
        sem:[male]
      adjp
        cat:adjp
        * ille * * sapientissimus *
        case:nom
        number:sing
        gender:masc
        lex:sapiens
        c_str
        ille
        sapiens
    pred
      vg
        selected_reading:repudio1_reject
        polarity:pos
        cat:vg
        * repudiauisse *
        pos:v
        lex:repudiare
        voice:act
        tense:past
        mood:infinitive
      object
        * immortalitatem *
        index:i(p(6,7))
        cat:np
        sem:[quality]
        number:sing
        person:3
        gender:fem

```

lex:immortalitas
case:acc
c_str
immortalitatem

Comment : parse OK

% 78 Seneca Dialogi 6 26 3 4.

Cur in domo nostra diutissime lugetur qui felicissime moritur?

[0/cur,1/in,2/domo,3/nostra,4/diutissime,5/lugetur,6/qui,7/felicissime,8/moritur,endpos(9)]
cputime : 0.453125

2--->

[illocutionary_force:question,vg:[selected_reading:lugeo_mourn,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_11092,w:0,pos:v,class:tr_cod,type:finite,lex:lugere,voice:pass,txt:lugetur,tense:present,kind:std,mood:indicativ
e,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(6,7),p(7,8),p(8,9)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,sem:[hum],person:3,case:or([nom,acc,dat]),lex:dummy_np,w:1,c_str:
[head:[lex:dummy_np,number:sing,gender:masc,person:3,index:_11570,constraints_to_be_met:
[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]]],rel_clause:[pathlist:
[p(6,7),p(7,8),p(8,9)],distance:[0],gap:[gap:[type:np,index:dummy_np,function:subject,subject:[e:dummy_np],constraints:
[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:
[hum]]],index:dummy_np,number:sing,gender:masc,case:nom,person:3,reltype:restrictive,type:finite,mood:indicative,tense:p
resent,constraints:[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]],w:1,c_str:
[illocutionary_force:statement,vg:[selected_reading:mori_die,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_12050,w:0,pos:v,class:intr,type:finite,lex:mori,voice:act,txt:moritur,tense:present,kind:dep,mood:indicative,nu
mber:sing,person:3],subject:[index:dummy_np],adverbial_adjunct:[cat:advp,pathlist:[p(7,8)],distance:
[0],type:vpbound,lex:felicissime,sem:or([discourse,duration,eval,manner,manner_means,place,reason,time,when]),w:1,c_str:
[head:felicissime]]]],adjunct:[pathlist:[p(0,1)],hp:[p(0,1)],distance:
[0],cat:advp,class:adjunct,value:purpose,lex:cur,lextype:full,type:int,w:2,c_str:[lex:cur,sem:reason,cat:advp]],adverbial_adjunct:
[cat:advp,pathlist:[p(4,5)],distance:[0],type:vpbound,lex:diutissime,sem:time,w:1,c_str:
[head:diutissime]],prep_phrase_adjunct_3:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(2,3)],distance:
[0],index:i(p(2,3)),case:abl,prep:in,sem:[abstract,thing],lex:domus,w:2,type:core,cat:pp,c_str:[prep:in,head:[pathlist:
[p(2,3),p(3,4)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:common,sem:
[abstract,thing],number:sing,person:3,gender:fem,type:core,lex:domus,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:domo,lex:domus,case:abl,gender:fem,class:common,ab:no,number:sing,sem:[abstract,thing]],adjp:
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:[p(3,4)],case:abl,number:sing,gender:fem,lex:noster,type:poss,w:1,c_str:noster]]]]]]

illocutionary_force:question

vg

selected_reading:lugeo_mourn

polarity:pos

cat:vg

* lugetur *

pos:v

lex:lugere

voice:pass

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* qui * * felicissime * * moritur *

cat:np

index:dummy_np

sem:[hum]

person:3

case:or([nom,acc,dat])

lex:dummy_np

c_str

head

lex:dummy_np

number:sing

gender:masc

person:3

constraints_to_be_met:[number:sing,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]]

rel_clause

```

    * qui * * felicissime * * moritur *
    index:dummy_np
    number:sing
    gender:masc
    case:nom
    person:3
    reltype:restrictive
    mood:indicative
    tense:present
    c_str
      illocutionary_force:statement
      vg
        selected_reading:mori_die
        polarity:pos
        cat:vg
        * moritur *
        pos:v
        lex:mori
        voice:act
        tense:present
        mood:indicative
        number:sing
        person:3
      subject
        index:dummy_np
      adverbial_adjunct
        cat:advp
        * felicissime *
        lex:felicissime
        sem:or([discourse,duration,eval,manner,manner_means,place,reason,time,when])
      c_str
        head
        felicissime
  adjunct
    * cur *
    cat:advp
    value:purpose
    lex:cur
    c_str
      lex:cur
      sem:reason
      cat:advp
  adverbial_adjunct
    cat:advp
    * diutissime *
    lex:diutissime
    sem:time
    c_str
      head
      diutissime
  prep_phrase_adjunct_3
    * in * * domo * * nostra *
    index:i(p(2,3))
    case:abl
    prep:in
    sem:[abstract,thing]
    lex:domus
    cat:pp
    c_str
      prep:in
      head
        * domo * * nostra *
        index:i(p(2,3))
        cat:np

```


sem:[abstract,thing]
number:sing
person:3
gender:fem
lex:domus
case:abl
c_str
 head
 * domo *
 pos:noun
 lex:domus
 case:abl
 gender:fem
 number:sing
 sem:[abstract,thing]
 adjp
 cat:adjp
 * nostra *
 case:abl
 number:sing
 gender:fem
 lex:noster
 c_str
 noster

Comment : parse OK

% 79 adapted from Cicero De Legibus II 4 6.

Vestigia adsunt eorum quos diligimus.

[0/uestigia,1/adsunt,2/eorum,3/quos,4/diligimus,endpos(5)]
cputime : 1.078125

1.9900000000000002--->

[illocutionary_force:statement,vg:[selected_reading:adsum_assist,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_15120,w:0,txt:adsunt,lex:adesse,pos:v,class:v_esse,type:finite,voice:act,tense:present,kind:std,mood:indicative
,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_15312,person:3,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:-1],predicative:[pathlist:[p(0,1),p(2,3)],hp:[p(0,1)],index:i([p(0,1)]),distance:[2],sem:
[thing],number:pl,person:3,cat:np,lex:uestigium,lextype:full,gender:neuter,type:full,case:nom,class:common,w:1,c_str:[head:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:uestigium,txt:uestigia,case:nom,
w:1,c_str:uestigia],noun_cplt:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,sem:_16068,class:proper,lex:prpersgenmascp, number:pl, person:3, gender: masc, type: core, case: gen, w: 1, c_str: prpersg
enmascp]]],cplt:[pathlist:[p(3,4),p(4,5)],hp:[],distance:
[0],cat:np,type:full,class:common,index:dummy_np,number:pl,gender:masc,sem:_16338,person:3,case:or([nom,acc,dat]),lex:d
ummy_np,w:1,c_str:[head:[lex:dummy_np,number:pl,gender:masc,person:3,index:_16492,constraints_to_be_met:
[case:acc]],rel_clause:[pathlist:[p(3,4),p(4,5)],distance:[0],gap:[gap:[type:np,index:dummy_np,function:object,object:
[e:dummy_np],constraints:
[case:acc]]],index:dummy_np,number:pl,gender:masc,case:acc,person:_16714,reltype:restrictive,type:finite,mood:indicative,te
nse:present,constraints:[case:acc],w:1,c_str:[illocutionary_force:statement,vg:
[selected_reading:diligo_love,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_16912,w:0,pos:v,class:tr_cod,type:finite,lex:diligere,voice:act,txt:diligimus,tense:present,kind:std,mood:indica
tive,number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[e:dummy_np]]]]]]

illocutionary_force:statement
vg
 selected_reading:adsum_assist
 polarity:pos
 cat:vg
 * adsunt *
 lex:adesse
 pos:v
 voice:act
 tense:present
 mood:indicative
 number:pl
 person:3
subject
 source:context_retrievable
 number:pl
 person:3
 cat:np
 index:i(0,0)
 case:nom
predicative
 * uestigia * * eorum *
 index:i([p(0,1)])
 sem:[thing]
 number:pl
 person:3
 cat:np
 lex:uestigium
 gender:neuter
 case:nom
 c_str
 head

```

    * uestigia *
    index:i(p(0,1))
    cat:np
    sem:[thing]
    number:pl
    person:3
    gender:neuter
    lex:uestigium
    case:nom
    c_str
    uestigia
noun_cplt
    * eorum *
    index:i(p(2,3))
    cat:np
    lex:prpersgenmascpl
    number:pl
    person:3
    gender:masc
    case:gen
    c_str
    prpersgenmascpl
cplt
    * quos * * diligimus *
    cat:np
    index:dummy_np
    number:pl
    gender:masc
    person:3
    case:or([nom,acc,dat])
    lex:dummy_np
    c_str
    head
    lex:dummy_np
    number:pl
    gender:masc
    person:3
    constraints_to_be_met:[case:acc]
rel_clause
    * quos * * diligimus *
    index:dummy_np
    number:pl
    gender:masc
    case:acc
    reltype:restrictive
    mood:indicative
    tense:present
    c_str
    illocutionary_force:statement
    vg
    selected_reading:diligo_love
    polarity:pos
    cat:vg
    * diligimus *
    pos:v
    lex:diligere
    voice:act
    tense:present
    mood:indicative
    number:pl
    person:1
    subject
    source:context_retrievable
    number:pl

```

```
gender:or([masc,fem])
person:1
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
e:dummy_np
```

Comment : parse is wrong ; or, more cautiously, does not reflect my interpretation of the sentence.

Multa fero ut placem genus irritabile vatum.

[0/multa,1/fero,2/ut,3/placem,4/genus,5/irritabile,6/uatum,endpos(7)]

cputime : 0.796875

6.5--->

```
[clause_semantics:_11350,subordinator:
[lex:ut,pos:sub,argbound:no,mood:subjunctive,value:or([purpose,consequence])],subordinate_clause:[ut,
[illocutionary_force:statement,vg:[selected_reading:placo_appease,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_11582,w:0,pos:v,class:tr_cod,type:finite,lex:placare,voice:act,txt:placem,tense:present,kind:std,mood:subjunctive,number:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(4,5),p(5,6),p(6,7)],hp:[p(4,5)],index:i(p(4,5)),distance:[2],sem:
[abstract],number:sing,person:3,cat:np,lex:genus,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1.5,c_str:[head:
[pathlist:[p(4,5),p(5,6)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,class:common,sem:
[abstract],number:sing,person:3,gender:neuter,type:core,lex:genus,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:genus,lex:genus,case:acc,gender:neuter,class:common,ab:no,number:sing,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:acc,number:sing,gender:neuter,lex:irritabilis,type:std,w:1,c_str:irritabilis]],noun_cplt:[pathlist:[p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:uates,txt:uatum,case:gen,w:1,c_str:uatum]]]],main_clause:[illocutionary_force:statement,vg:[selected_reading:fero_bear,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_13140,w:0,pos:v,class:v_ferre,type:finite,lex:ferre,voice:act,txt:fero,tense:present,kind:std,mood:indicative,number:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing],class:indef,lex:multi,number:pl,person:3,gender:neuter,type:core,case:acc,w:1,c_str:multi]]]
```

```
subordinator
lex:ut
pos:sub
mood:subjunctive
value:or([purpose,consequence])
subordinate_clause
ut
illocutionary_force:statement
vg
selected_reading:placo_appease
polarity:pos
cat:vg
* placem *
pos:v
lex:placare
voice:act
tense:present
mood:subjunctive
number:sing
person:1
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:1
cat:np
index:i(0,0)
case:nom
object
* genus * * irritabile * * uatum *
index:i([p(4,5)])
sem:[abstract]
number:sing
person:3
```

```

cat:np
lex:genus
gender:neuter
case:acc
c_str
head
  * genus * * irritabile *
  index:i(p(4,5))
  cat:np
  sem:[abstract]
  number:sing
  person:3
  gender:neuter
  lex:genus
  case:acc
  c_str
  head
    * genus *
    pos:noun
    lex:genus
    case:acc
    gender:neuter
    number:sing
    sem:[abstract]
  adjp
    cat:adjp
    * irritabile *
    case:acc
    number:sing
    gender:neuter
    lex:irritabilis
    c_str
    irritabilis
noun_cplt
  * uatum *
  index:i(p(6,7))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:uates
  case:gen
  c_str
  uatum
main_clause
  illocutionary_force:statement
  vg
    selected_reading:fero_bear
    polarity:pos
    cat:vg
    * fero *
    pos:v
    lex:ferre
    voice:act
    tense:present
    mood:indicative
    number:sing
    person:1
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:1

```

cat:np
index:i(0,0)
case:nom
object
* multa *
index:i(p(0,1))
cat:np
sem:[thing]
lex:multi
number:pl
person:3
gender:neuter
case:acc
c_str
multi

Comment : parse OK

% 81 Tacitus Ann XIII 5.

Ita specie pietatis obviam itum dedecori.

[0/ita,1/specie,2/pietatis,3/obuiam,4/itum,5/dedecori,endpos(6)]
cputime : 0.203125

4.5--->

```
[vg:[selected_reading:obuiam_eo_oppose_IDIOM,polarity:pos,cat:vg,type:finite,pathlist:[p(4,5)],hp:
[p(4,5)],lex:ire,person:3,mood:indicative,tense:perfect,voice:middle,number:sing,gender:neuter,w:3],prep_cplt:[pathlist:
[p(3,4),p(5,6)],hp:[p(5,6)],distance:[0],index:i(p(5,6)),case:dat,prep:obuiam,sem:[quality,thing],lex:dedecus,w:
-2,type:core,cat:pp,c_str:[prep:obuiam,head:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[quality,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:dedecus,txt:dedecori,c
ase:dat,w:1,c_str:dedecori]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:
[0],type:clausal,lex:ita,sem:discourse,w:1,c_str:[head:ita]],prep_phrase_adjunct_2:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:
[0],index:i(p(2,3)),case:gen,prep:specie,sem:[quality],lex:pietas,w:1,type:core,cat:pp,c_str:[prep:specie,head:[pathlist:[p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:pietas,txt:pietatis,case:gen,w:1,
c_str:pietatis]]]]]
```

vg

selected_reading:obuiam_eo_oppose_IDIOM

polarity:pos

cat:vg

* itum *

lex:ire

person:3

mood:indicative

tense:perfect

voice:middle

number:sing

gender:neuter

prep_cplt

* obuiam * * dedecori *

index:i(p(5,6))

case:dat

prep:obuiam

sem:[quality,thing]

lex:dedecus

cat:pp

c_str

prep:obuiam

head

* dedecori *

index:i(p(5,6))

cat:np

sem:[quality,thing]

number:sing

person:3

gender:neuter

lex:dedecus

case:dat

c_str

dedecori

adverbial_adjunct

cat:advp

* ita *

lex:ita

sem:discourse

c_str

head


```
ita
prep_phrase_adjunct_2
* specie * * pietatis *
index:i(p(2,3))
case:gen
prep:specie
sem:[quality]
lex:pietas
cat:pp
c_str
  prep:specie
  head
    * pietatis *
    index:i(p(2,3))
    cat:np
    sem:[quality]
    number:sing
    person:3
    gender:fem
    lex:pietas
    case:gen
    c_str
    pietatis
```

Comment : parse is OK, but implies a reinterpretation as prepositions of specie and obviam (non-standard)

% 82 Tacitus Ann XIII 15.

Nero intellecta invidia odium intendit pararique venenum iubet.

[0/nero,1/intellecta,2/invidia,3/odium,4/intendit,5/que,6/parari,7/uenenum,8/iubet,endpos(9)]
cputime : 2.84375

Parse A

11--->

[head:[illocutionary_force:statement,vg:[selected_reading:intendo_intensify,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:[p(4,5)],gender:_16454,w:0,pos:v,class:tr_cod,type:finite,lex:intendere,voice:act,txt:intendit,tense:perfect,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:[male],class:proper,lex:nero,lextype:full,person:3,type:core,case:nom,w:1,c_str:nero],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:odium,txt:odium,case:acc,w:1,c_str:odium],ablative_absolute:[pathlist:[p(1,2),p(2,3)],distance:[0],w:0,c_str:[lex:intellego_understand,[pos:p_p,txt:intellecta,case:abl,gender:fem,number:sing,lex:intellegere,class:tr_cod,type:p_p,kind:std,mood:participle,person:3],[],object:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:invidia,txt:invidia,case:abl,w:1,c_str:invidia]]],coord:que,head:[vg:[selected_reading:iubeo_order_that,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:[p(8,9)],gender:_17768,w:0,pos:v,class:tr_inf,type:finite,lex:iubere,voice:act,txt:iubet,tense:present,kind:std,mood:indicative,number:sing,person:3],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:[p(6,7),p(7,8)],distance:[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_18138,w:4,flagint:no,c_str:[vg:[selected_reading:paro_prepare,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:[p(6,7)],gender:neuter,w:0,pos:v,class:tr_cod,type:nonfinite,lex:parare,voice:pass,txt:parari,tense:present,kind:std,mood:infinitive,number:sing,person:_18420],subject:[number:sing,gender:neuter,pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:[thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:uenenum,txt:uenenum,case:acc,w:1,c_str:uenenum]]]]]

head
 illocutionary_force:statement
 vg
 selected_reading:intendo_intensify
 polarity:pos
 cat:vg
 * intendit *
 pos:v
 lex:intendere
 voice:act
 tense:perfect
 mood:indicative
 number:sing
 person:3
 subject
 number:sing
 gender:masc
 * nero *
 index:i(p(0,1))
 cat:np
 sem:[male]
 lex:nero
 person:3
 case:nom
 c_str
 nero
 object
 * odium *
 index:i(p(3,4))
 cat:np
 sem:[quality]

number:sing
person:3
gender:neuter
lex:odium
case:acc
c_str
odium
ablative_absolute
* intellecta * * inuidia *
c_str
lex:intellego_understand
pos:p_p
case:abl
gender:fem
number:sing
lex:intellegere
mood:participle
person:3
object
* inuidia *
index:i(p(2,3))
cat:np
sem:[quality]
number:sing
person:3
gender:fem
lex:inuidia
case:abl
c_str
inuidia
coord:que
head
vg
selected_reading:iubeo_order_that
polarity:pos
cat:vg
* iubet *
pos:v
lex:iubere
voice:act
tense:present
mood:indicative
number:sing
person:3
object
cat:pred
mood:infinitive
tense:present
* parari * * uenenum *
number:sing
gender:neuter
case:or([nom,acc])
person:3
polarity:pos
c_str
vg
selected_reading:paro_prepare
polarity:pos
cat:vg
* parari *
gender:neuter
pos:v
lex:parare
voice:pass

tense:present
mood:infinitive
number:sing
subject
number:sing
gender:neuter
* uenenum *
index:i(p(7,8))
cat:np
sem:[thing]
person:3
lex:uenenum
case:acc
c_str
uenenum

Parse B

11--->

[head:[illocutionary_force:statement,vg:[selected_reading:intendo_intensify,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:[p(4,5)],gender:_18832,w:0,pos:v,class:tr_cod,type:finite,lex:intendere,voice:act,txt:intendit,tense:present,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:[male],class:proper,lex:nero,lextype:full,person:3,type:core,case:nom,w:1,c_str:nero],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:odium,txt:odium,case:acc,w:1,c_str:odium],ablative_absolute:[pathlist:[p(1,2),p(2,3)],distance:[0],w:0,c_str:[lex:intellego_understand,[pos:p_p,txt:intellecta,case:abl,gender:fem,number:sing,lex:intellegere,class:tr_cod,type:p_p,kind:std,mood:participle,person:3],[],object:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:inuidia,txt:inuidia,case:abl,w:1,c_str:inuidia]]],coord:que,head:[vg:[selected_reading:iubeo_order_that,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:[p(8,9)],gender:_20146,w:0,pos:v,class:tr_inf,type:finite,lex:iubere,voice:act,txt:iubet,tense:present,kind:std,mood:indicative,number:sing,person:3],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:[p(6,7),p(7,8)],distance:[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_20516,w:4,flagint:no,c_str:[vg:[selected_reading:paro_prepare,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:[p(6,7)],gender:_20146,w:0,pos:v,class:tr_cod,type:nonfinite,lex:parare,voice:pass,txt:parari,tense:present,kind:std,mood:infinitive,number:sing,person:_20798],subject:[number:sing,gender:neuter,pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:[thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:uenenum,txt:uenenum,case:acc,w:1,c_str:uenenum]]]]]

head

illocutionary_force:statement

vg

selected_reading:intendo_intensify

polarity:pos

cat:vg

* intendit *

pos:v

lex:intendere

voice:act

tense:present

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* nero *

index:i(p(0,1))

cat:np

sem:[male]

lex:nero

person:3

case:nom

c_str

nero

object

* odium *

index:i(p(3,4))

cat:np

sem:[quality]

number:sing

person:3

gender:neuter

lex:odium

case:acc

c_str

odium

ablative_absolute

```

* intellecta * * inuidia *
c_str
lex:intellego_understand
pos:p_p
case:abl
gender:fem
number:sing
lex:intellegere
mood:participle
person:3
object
* inuidia *
index:i(p(2,3))
cat:np
sem:[quality]
number:sing
person:3
gender:fem
lex:inuidia
case:abl
c_str
inuidia
coord:que
head
vg
selected_reading:iubeo_order_that
polarity:pos
cat:vg
* iubet *
pos:v
lex:iubere
voice:act
tense:present
mood:indicative
number:sing
person:3
object
cat:pred
mood:infinitive
tense:present
* parari * * uenenum *
number:sing
gender:neuter
case:or([nom,acc])
person:3
polarity:pos
c_str
vg
selected_reading:paro_prepare
polarity:pos
cat:vg
* parari *
gender:neuter
pos:v
lex:parare
voice:pass
tense:present
mood:infinitive
number:sing
subject
number:sing
gender:neuter
* uenenum *
index:i(p(7,8))

```

cat:np
sem:[thing]
person:3
lex:uenenum
case:acc
c_str
uenenum

Comment : scope of intellecta invidia is presumably the whole conjunct (intendit and iubet)

% 83 Tacitus Ann XV 52 1.

Coniuratis tamen metu permotis placitum maturare caedem.

[0/coniuratis,1/metu,2/permotis,3/placitum,4/maturare,5/caedem,endpos(6)]

cputime : 0.640625

11--->

```
[illocutionary_force:statement,vg:[selected_reading:placet_it_be_decided_to,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_9158,w:0,pos:v,class:vimp,type:finite,lex:placet,voice:act,txt:placitum,tense:perfect,kind:std,mood:indicative,
number:sg,person:3],subject:[number:sg,gender:_9338,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(4,5),p(5,6)],distance:[0],person:3,case:or([nom,acc]),sem:_9504,polarity:pos,gap:_9528,w:2,flagint:no,c_str:[vg:
[selected_reading:maturatio_bring_to_maturity,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_9666,w:0,pos:v,class:tr,type:nonfinite,lex:maturare,voice:act,txt:maturare,tense:present,kind:std,mood:infinitive,
number:_9798,person:_9810],object:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:caedes,txt:caedem,case:acc,w:
1,c_str:caedem]]],arg:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,class:pc2np,sem:
[hum],number:pl,person:3,gender:masc,type:core,lex:coniuratus,lextype:full,case:dat,w:8,type_pp:ppcentered,c_str:[head:
[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:coniuratus,txt:coniuratis,case:dat,
w:1,c_str:coniuratis],participle_clause:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:
[0],cat:ppclause,w:6,type:ppcentered,number:pl,gender:masc,lex:permoueo_move,case:dat,c_str:
[past_participle,permoueo_move,[agent:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:metus,txt:metu,case:abl,w:1,
c_str:metu]]]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:placet_it_be_decided_to

polarity:pos

cat:vg

* placitum *

pos:v

lex:placet

voice:act

tense:perfect

mood:indicative

number:sg

person:3

subject

number:sg

cat:pred

mood:infinitive

tense:present

* maturare * caedem *

person:3

case:or([nom,acc])

polarity:pos

c_str

vg

selected_reading:maturatio_bring_to_maturity

polarity:pos

cat:vg

* maturare *

pos:v

lex:maturare

voice:act

tense:present

mood:infinitive

object

* caedem *

index:i(p(5,6))

cat:np

sem:[abstract]


```

    number:sing
    person:3
    gender:fem
    lex:caedes
    case:acc
    c_str
    caedem
arg
    * coniuratis * * metu * * permotis *
    index:i(p(0,1))
    cat:np
    sem:[hum]
    number:pl
    person:3
    gender:masc
    lex:coniuratus
    case:dat
    c_str
    head
        * coniuratis *
        index:i(p(0,1))
        cat:np
        sem:[hum]
        number:pl
        person:3
        gender:masc
        lex:coniuratus
        case:dat
        c_str
        coniuratis
    participle_clause
        * metu * * permotis *
        cat:ppclause
        number:pl
        gender:masc
        lex:permoueo_move
        case:dat
        c_str
        past_participle
        permoueo_move
        agent
            * metu *
            index:i(p(1,2))
            cat:np
            sem:[abstract]
            number:sing
            person:3
            gender:masc
            lex:metus
            case:abl
            c_str
            metu

```

Comment : parse OK

% 84 Sallustius Catilinae Coniuratio 1 1 2.

Omnes homines niti decet ne uitam silentio transeant.

[0/omnes,1/homines,2/niti,3/decet,4/ne,5/uitam,6/silentio,7/transeant,endpos(8)]

cputime : 0.53125

12.97--->

[illocutionary_force:statement,vg:[selected_reading:decet_it_behoves,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_10174,w:0,pos:v,class:vimp,type:finite,lex:decet,voice:act,txt:decet,tense:present,kind:std,mood:indicative,num
ber:_10306,person:_10318],subject:
[number:_10306,gender:_10354,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(2,3),p(4,5),p(5,6),p(6,7),p(7,8)],distance:
[0],person:_10318,case:or([nom,acc]),sem:_10556,polarity:pos,gap:_10580,w:9.98,flagint:no,c_str:[vg:
[selected_reading:nitor_endeavour,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_10724,w:0,pos:v,class:intr,type:nonfinite,lex:niti,voice:act,txt:niti,tense:present,kind:dep,mood:infinitive,num
ber:_10856,person:_10868],object:[cat:pred,type:finite,pathlist:[p(4,5),p(5,6),p(6,7),p(7,8)],distance:[0],gap:
[],class:m,number:_10994,person:_11006,gender:_11018,case:_11030,mood:subjunctive,tense:present,w:8.99,subordinator:ne
,argbound:yes,c_str:[ne,[illocutionary_force:statement,vg:[selected_reading:transeo_spend,polarity:pos,cat:vg,pathlist:
[p(7,8)],hp:
[p(7,8)],gender:_11234,w:0,txt:transeant,lex:transire,pos:v,class:v_ire,type:finite,voice:act,tense:present,kind:std,mood:subjunc
tive,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_11426,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[thing,abstract,time],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:uita,txt:uitam,case:
acc,w:1,c_str:uitam],adjunct:[pathlist:[p(6,7)],distance:
[0],class:adjunct,value:manner_means,type:core,w:0,c_str:silentio]]]],arg:[pathlist:[p(0,1),p(1,2)],hp:
[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:common,sem:
[hum],number:pl,person:3,gender:masc,type:core,lex:homo,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:homines,lex:homo,case:acc,gender:masc,class:common,ab:no,number:pl,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:pl,gender:or([masc,fem]),lex:omnis,type:tool,w:1,c_str:omnis]]]]]

illocutionary_force:statement

vg

selected_reading:decet_it_behoves

polarity:pos

cat:vg

* decet *

pos:v

lex:decet

voice:act

tense:present

mood:indicative

subject

cat:pred

mood:infinitive

tense:present

* niti * * ne * * uitam * * silentio * * transeant *

case:or([nom,acc])

polarity:pos

c_str

vg

selected_reading:nitor_endeavour

polarity:pos

cat:vg

* niti *

pos:v

lex:niti

voice:act

tense:present

mood:infinitive

object

```

cat:pred
* ne ** uitam ** silentio ** transeant *
mood:subjunctive
tense:present
subordinator
ne
c_str
  ne
    illocutionary_force:statement
    vg
      selected_reading:transeo_spend
      polarity:pos
      cat:vg
      * transeant *
      lex:transire
      pos:v
      voice:act
      tense:present
      mood:subjunctive
      number:pl
      person:3
    subject
      source:context_retrievable
      number:pl
      person:3
      cat:np
      index:i(0,0)
      constraints_to_be_met:[sem:[hum]]
      case:nom
    object
      * uitam *
      index:i(p(5,6))
      cat:np
      sem:[thing,abstract,time]
      number:sing
      person:3
      gender:fem
      lex:uita
      case:acc
      c_str
        uitam
    adjunct
      * silentio *
      value:manner_means
      c_str
        silentio
arg
  * omnes ** homines *
  index:i(p(1,2))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:homo
  case:acc
  c_str
    head
      * homines *
      pos:noun
      lex:homo
      case:acc
      gender:masc
      number:pl

```

sem:[hum]
adjp
cat:adjp
* omnes *
case:acc
number:pl
gender:or([masc,fem])
lex:omnis
c_str
omnis

Comment : parse OK

% 85 Tacitus Hist Lib I 62 1.

Mira inter exercitum imperatoremque diversitas.

[0/mira,1/inter,2/exercitum,3/que,4/imperatorem,5/diuersitas,endpos(6)]
cputime : 0.21875

7--->

```
[nominal_pred,subject:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[1],cat:np,sem:
[abstract],class:common,lextype:full,number:sing,person:3,gender:fem,type:full,lex:diuersitas,case:nom,w:5,c_str:[pathlist:
[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:diuersitas,txt:diuersitas,case:n
om,w:1,c_str:diuersitas],arg:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],distance:
[1],index:i([p(2,3),p(4,5)]),case:acc,prep:inter,sem:[thing,hum,loc],lex:exercitus,w:2,type:core,cat:pp,c_str:[prep:inter,head:
[pathlist:[p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],index:i([p(2,3),p(4,5)]),distance:[1],sem:
[thing,hum,loc],class:common,lex:exercitus,lextype:full,type:core,number:pl,person:3,gender:masc,case:acc,w:2,coord:yes,c_st
r:[head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3))],distance:[0],cat:np,sem:
[thing,hum,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:exercitus,txt:exercitu
m,case:acc,w:1,c_str:exercitum],coord:que,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5))],distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:imperator,txt:imperatorum,case
:acc,w:1,c_str:imperatorum]]]]],predicative:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:sing,gender:fem,lex:mirus,type:std,w:1,c_str:mirus],adjunct:[]]
```

nominal_pred

subject

* inter ** exercitum ** que ** imperatorem ** diuersitas *

index:i(p(5,6))

cat:np

sem:[abstract]

number:sing

person:3

gender:fem

lex:diuersitas

case:nom

c_str

* diuersitas *

index:i(p(5,6))

cat:np

sem:[abstract]

number:sing

person:3

gender:fem

lex:diuersitas

case:nom

c_str

diuersitas

arg

* inter ** exercitum ** que ** imperatorem *

index:i([p(2,3),p(4,5)])

case:acc

prep:inter

sem:[thing,hum,loc]

lex:exercitus

cat:pp

c_str

prep:inter

head

* exercitum ** que ** imperatorem *

index:i([p(2,3),p(4,5)])

sem:[thing,hum,loc]

lex:exercitus

number:pl

person:3

```

gender:masc
case:acc
coord:yes
c_str
  head
    * exercitum *
    index:i(p(2,3))
    cat:np
    sem:[thing,hum,loc]
    number:sing
    person:3
    gender:masc
    lex:exercitus
    case:acc
    c_str
      exercitum
    coord:que
  head
    * imperatorem *
    index:i(p(4,5))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:imperator
    case:acc
    c_str
      imperatorem
predicative
  cat:adjp
  * mira *
  case:nom
  number:sing
  gender:fem
  lex:mirus
  c_str
    mirus

```

Comment : parse OK

% 86 Tacitus Hist Lib I 10 1.

Oriens adhuc immotus.

[0/oriens,1/adhuc,2/immotus,endpos(3)]
cputime : 0.0

2--->

[nominal_pred,subject:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:oriens,txt:oriens,case:nom,
w:1,c_str:oriens],predicative:[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:nom,number:sing,gender:masc,lex:immotus,type:std,w:1,c_str:immotus],adjunct:[adverbial_adjunct:
[cat:advp,pathlist:[p(1,2)],distance:[0],type:vpbound,lex:adhuc,sem:time,w:1,c_str:[head:adhuc]]]]

nominal_pred
subject
 * oriens *
 index:i(p(0,1))
 cat:np
 sem:[thing,loc]
 number:sing
 person:3
 gender:masc
 lex:oriens
 case:nom
 c_str
 oriens
predicative
 cat:adjp
 * immotus *
 case:nom
 number:sing
 gender:masc
 lex:immotus
 c_str
 immotus
adjunct
 adverbial_adjunct
 cat:advp
 * adhuc *
 lex:adhuc
 sem:time
 c_str
 head
 adhuc

Comment : parse OK

% 87 Tacitus Hist Lib I 9 7.

In Britannico exercitu nihil irarum.

[0/in,1/britannico,2/exercitu,3/nihil,4/irarum,endpos(5)]
cputime : 0.171875

1--->

[nominal_pred,subject:[pathlist:[p(3,4),p(4,5)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[quality],lex:nihil,class:prindf,type:core,number:pl,person:3,gender:fem,case:nom,w:2,c_str:[nihil,[pathlist:[p(4,5)],hp:
[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:ira,txt:irarum,case:gen,w:1,c_str:i
rarum]],predicative:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:abl,prep:in,sem:
[thing,hum,loc],lex:exercitus,w: -1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(1,2),p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:common,sem:
[thing,hum,loc],number:sing,person:3,gender:masc,type:core,lex:exercitus,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:exercitu,lex:exercitus,case:abl,gender:masc,class:common,ab:no,number:sing,sem:[thing,hum,loc]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:abl,number:sing,gender:masc,lex:britannicus,type:std,w:1,c_str:britannicus]]]]]]]

nominal_pred

subject

* nihil * * irarum *

index:i(p(3,4))

cat:np

sem:[quality]

lex:nihil

number:pl

person:3

gender:fem

case:nom

c_str

nihil

* irarum *

index:i(p(4,5))

cat:np

sem:[quality]

number:pl

person:3

gender:fem

lex:ira

case:gen

c_str

irarum

predicative

* in * * britannico * * exercitu *

index:i(p(2,3))

case:abl

prep:in

sem:[thing,hum,loc]

lex:exercitus

cat:pp

c_str

prep:in

head

* britannico * * exercitu *

index:i(p(2,3))

cat:np

sem:[thing,hum,loc]

number:sing

person:3

gender:masc

lex:exercitus
case:abl
c_str
 head
 * exercitu *
 pos:noun
 lex:exercitus
 case:abl
 gender:masc
 number:sing
 sem:[thing,hum,loc]
 adjp
 cat:adjp
 * britannico *
 case:abl
 number:sing
 gender:masc
 lex:britannicus
 c_str
 britannicus

Comment : parse OK

% 88 Tacitus Hist Lib I 7 13.

Venalia cuncta.

[0/uenalia,1/cuncta,endpos(2)]

cputime : 0.078125

2.5--->

[nominal_pred,subject:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:

[abstract,thing],class:common,lextype:full,origin:adj,number:pl,person:3,gender:neuter,type:core,lex:cunctus,txt:cuncta,case:n

om,w:0.5,c_str:cuncta],predicative:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:

[p(0,1)],case:nom,number:pl,gender:neuter,lex:uenalis,type:std,w:1,c_str:uenalis],adjunct:[]]

nominal_pred

subject

* cuncta *

index:i(p(1,2))

cat:np

sem:[abstract,thing]

number:pl

person:3

gender:neuter

lex:cunctus

case:nom

c_str

cuncta

predicative

cat:adjp

* uenalia *

case:nom

number:pl

gender:neuter

lex:uenalis

c_str

uenalis

Comment : parse OK

% 89 Tacitus Hist Lib I 7 15.

Eadem novae aulae mala.

[0/eadem,1/nouae,2/aulae,3/mala,endpos(4)]
cputime : 0.90625

3.5--->

[nominal_pred,subject:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(3,4)],index:i([p(3,4)]),distance:[0],sem:
[abstract,thing],number:pl,person:3,cat:np,lex:malus,lextype:full,gender:neuter,type:full,case:nom,class:common,w:1.5,c_str:
[head:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract,thing],class:common,lextype:full,origin:adj,number:pl,person:3,gender:neuter,type:core,lex:malus,txt:mala,case:nom,
w:0.5,c_str:mala],noun_cplt:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:common,sem:
[thing,loc],number:sing,person:3,gender:fem,type:core,lex:aula,lextype:full,case:gen,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:aulae,lex:aula,case:gen,gender:fem,class:common,ab:no,number:sing,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:gen,number:sing,gender:fem,lex:nouus,type:std,w:1,c_str:nouus]]]],predicative:[cat:adjp,pathlist:[p(0,1)],distance:
[0],hp:[p(0,1)],case:nom,number:pl,gender:neuter,lex:idem,type:tool,w:1,c_str:idem],adjunct:[]]

nominal_pred

subject

* nouae * * aulae * * mala *

index:i([p(3,4)])

sem:[abstract,thing]

number:pl

person:3

cat:np

lex:malus

gender:neuter

case:nom

c_str

head

* mala *

index:i(p(3,4))

cat:np

sem:[abstract,thing]

number:pl

person:3

gender:neuter

lex:malus

case:nom

c_str

mala

noun_cplt

* nouae * * aulae *

index:i(p(2,3))

cat:np

sem:[thing,loc]

number:sing

person:3

gender:fem

lex:aula

case:gen

c_str

head

* aulae *

pos:noun

lex:aula

case:gen

gender:fem

number:sing

sem:[thing,loc]

adjp
cat:adjp
* nouae *
case:gen
number:sing
gender:fem
lex:nouus
c_str
nouus
predicative
cat:adjp
* eadem *
case:nom
number:pl
gender:neuter
lex:idem
c_str
idem

Comment : parse OK

% 90 Tacitus Hist Lib I 2 13.

Plenum exiliis mare.

[0/plenum,1/exiliis,2/mare,endpos(3)]
cputime : 0.125

7--->

```
[nominal_pred,subject:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:mare,txt:mare,case:nom,
w:1,c_str:mare],predicative:[pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],distance:
[0],cat:adjp,w:5,type:std,number:sing,gender:neuter,lex:plenus,case:nom,c_str:[head:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:sing,gender:neuter,lex:plenus,type:std,w:1,c_str:plenus],arg:[pathlist:[p(1,2)],hp:
[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:exilium,txt:exiliis,case:abl,w:1,c_
str:exiliis]]],adjunct:[]]
```

```
nominal_pred
subject
  * mare *
  index:i(p(2,3))
  cat:np
  sem:[thing,loc]
  number:sing
  person:3
  gender:neuter
  lex:mare
  case:nom
  c_str
  mare
predicative
  * plenum * * exiliis *
  cat:adjp
  number:sing
  gender:neuter
  lex:plenus
  case:nom
  c_str
  head
    cat:adjp
    * plenum *
    case:nom
    number:sing
    gender:neuter
    lex:plenus
    c_str
    plenus
  arg
    * exiliis *
    index:i(p(1,2))
    cat:np
    sem:[hum]
    number:pl
    person:3
    gender:neuter
    lex:exilium
    case:abl
    c_str
    exiliis
```

Comment : parse OK

% 91 PS 27 1.

Dominus illuminatio mea.

[0/dominus,1/illuminatio,2/mea,endpos(3)]
cputime : 0.046875

3--->

[nominal_pred,subject:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:dominus,txt:dominus,case:nom
,w:1,c_str:dominus],predicative:[pathlist:[p(1,2),p(2,3)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:common,sem:
[quality],number:sing,person:3,gender:fem,type:core,lex:illuminatio,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:illuminatio,lex:illuminatio,case:nom,gender:fem,class:common,ab:mm,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:nom,number:sing,gender:fem,lex:meus,type:poss,w:1,c_str:meus]]]]

nominal_pred
subject
 * dominus *
 index:i(p(0,1))
 cat:np
 sem:[hum]
 number:sing
 person:3
 gender:masc
 lex:dominus
 case:nom
 c_str
 dominus
predicative
 * illuminatio * * mea *
 index:i(p(1,2))
 cat:np
 sem:[quality]
 number:sing
 person:3
 gender:fem
 lex:illuminatio
 case:nom
 c_str
 head
 * illuminatio *
 pos:noun
 lex:illuminatio
 case:nom
 gender:fem
 number:sing
 sem:[quality]
 adjp
 cat:adjp
 * mea *
 case:nom
 number:sing
 gender:fem
 lex:meus
 c_str
 meus

Comment : parse OK

% 92 Vergilius Georgica 2 458.

Fortunatos nimium sua si bona norint agricolas.

[0/fortunatos,1/nimium,2/sua,3/si,4/bona,5/nouerint,6/agricolas,endpos(7)]

cputime : 0.796875

Parse A

4--->

```
[exclamation,subject:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,gender:masc,type:core,lex:agricola,txt:agricolas,case:acc,w:1,
c_str:agricolas],predicative:[cat:adjp,pathlist:[p(0,1),p(1,2)],distance:[0],hp:
[p(0,1)],case:acc,number:pl,gender:masc,lex:fortunatus,type:std,w:1,c_str:[nimium,fortunatus]],[si,
[illocutionary_force:statement,vg:[selected_reading:novi_know,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_9480,w:0,pos:v,class:tr_cod,type:finite,lex:noscere,voice:act,txt:nouerint,tense:future_perfect,kind:std,mood:i
ndicative,number:pl,gender:_9672,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(2,3),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[1],cat:np,class:common,sem:
[thing,abstract],number:pl,gender:neuter,type:core,lex:bonum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:bona,lex:bonum,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:[thing,abstract]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:acc,number:pl,gender:neuter,lex:suus,type:poss,w:1,c_str:suus]]]]]]]
```

```
exclamation
subject
  * agricolas *
  index:i(p(6,7))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:agricola
  case:acc
  c_str
    agricolas
predicative
  cat:adjp
  * fortunatos * * nimium *
  case:acc
  number:pl
  gender:masc
  lex:fortunatus
  c_str
    nimium
    fortunatus
si
  illocutionary_force:statement
  vg
    selected_reading:novi_know
    polarity:pos
    cat:vg
    * nouerint *
    pos:v
    lex:noscere
    voice:act
    tense:future_perfect
    mood:indicative
    number:pl
    person:3
  subject
    source:context_retrievable
```

```

number:pl
person:3
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
  * sua * * bona *
  index:i(p(4,5))
  cat:np
  sem:[thing,abstract]
  number:pl
  person:3
  gender:neuter
  lex:bonum
  case:acc
  c_str
    head
      * bona *
      pos:noun
      lex:bonum
      case:acc
      gender:neuter
      number:pl
      sem:[thing,abstract]
    adjp
      cat:adjp
      * sua *
      case:acc
      number:pl
      gender:neuter
      lex:suus
      c_str
        suus

```

Comment : Parse A is incorrect in so far as norint (noverint) is a perfect subjunctive, not a future perfect indicative. Parse B gets it right. Both parses are rather idiosyncratic.

Parse B

4--->

```
[exclamation,subject:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:agricola,txt:agricolas,case:acc,w:1,
c_str:agricolas],predicative:[cat:adjp,pathlist:[p(0,1),p(1,2)],distance:[0],hp:
[p(0,1)],case:acc,number:pl,gender:masc,lex:fortunatus,type:std,w:1,c_str:[nimium,fortunatus]],[si,
[illocutionary_force:statement,vg:[selected_reading:novi_know,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_11006,w:0,pos:v,class:tr_cod,type:finite,lex:noscere,voice:act,txt:nouerint,tense:perfect,kind:std,mood:subjun
ctive,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_11198,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(2,3),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[1],cat:np,class:common,sem:
[thing,abstract],number:pl,person:3,gender:neuter,type:core,lex:bonum,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:bona,lex:bonum,case:acc,gender:neuter,class:common,ab:no,number:pl,sem:[thing,abstract]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:acc,number:pl,gender:neuter,lex:suus,type:poss,w:1,c_str:suus]]]]]]]
```

```
exclamation
subject
  * agricolas *
  index:i(p(6,7))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:agricola
  case:acc
  c_str
    agricolas
predicative
  cat:adjp
  * fortunatos ** nimium *
  case:acc
  number:pl
  gender:masc
  lex:fortunatus
  c_str
    nimium
    fortunatus
si
  illocutionary_force:statement
  vg
    selected_reading:novi_know
    polarity:pos
    cat:vg
    * nouerint *
    pos:v
    lex:noscere
    voice:act
    tense:perfect
    mood:subjunctive
    number:pl
    person:3
  subject
    source:context_retrievable
    number:pl
    person:3
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
```

```
      case:nom
object
  * sua * * bona *
  index:i(p(4,5))
  cat:np
  sem:[thing,abstract]
  number:pl
  person:3
  gender:neuter
  lex:bonum
  case:acc
c_str
  head
    * bona *
    pos:noun
    lex:bonum
    case:acc
    gender:neuter
    number:pl
    sem:[thing,abstract]
  adjp
    cat:adjp
    * sua *
    case:acc
    number:pl
    gender:neuter
    lex:suus
    c_str
    suus
```

Comment : parse OK

% 93 Catullus Carmina 61 184.

Iam licet venias, marite.

[0/iam,1/licet,2/uenias,3/(,),4/marite,endpos(5)]
cputime : 0.109375

Parse A

24--->

```
[illocutionary_force:statement,vg:[selected_reading:licet_permission_is_given_to,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_6608,w:0,pos:v,class:vimp,type:finite,lex:licet,voice:act,txt:licet,tense:present,kind:std,mood:indicative,numbe
r:_6740,person:_6752],arg:[cat:pred,type:finite,pathlist:[p(2,3)],distance:
[0],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pol
arity:pos,argbound:no,gap:[],w:0,add:no,flagint:_6998,c_str:[illocutionary_force:statement,vg:
[selected_reading:uenio_come,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_7124,w:0,pos:v,class:intr,type:finite,lex:uenire,voice:act,txt:uenias,tense:present,kind:std,mood:subjunctive,nu
mber:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:
[0],type:vpbound,lex:iam,sem:time,w:1,c_str:[head:iam]],address:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:address,sem:
[hum],class:common,lex:maritus,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:
[address:marite]]]
```

```
illocutionary_force:statement
vg
  selected_reading:licet_permission_is_given_to
  polarity:pos
  cat:vg
  * licet *
  pos:v
  lex:licet
  voice:act
  tense:present
  mood:indicative
arg
  cat:pred
  * uenias *
  illocutionary_force:statement
  number:sing
  person:3
  vgperson:2
  gender:neuter
  mood:subjunctive
  tense:present
  polarity:pos
  add:no
  c_str
    illocutionary_force:statement
    vg
      selected_reading:uenio_come
      polarity:pos
      cat:vg
      * uenias *
      pos:v
      lex:uenire
      voice:act
      tense:present
      mood:subjunctive
      number:sing
```

```

    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
adverbial_adjunct
  cat:advp
  * iam *
  lex:iam
  sem:time
  c_str
    head
    iam
address
  *,**marite*
  index:i(p(4,5))
  cat:address
  sem:[hum]
  lex:maritus
  number:sing
  person:2
  gender:masc
  case:voc
  c_str
    address
    marite

```

Comment : parse OK. Parse A differs from Parse B in the attachment of iam.

Parse B

24-->

```
[illocutionary_force:statement,vg:[selected_reading:licet_permission_is_given_to,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_8002,w:0,pos:v,class:vimp,type:finite,lex:licet,voice:act,txt:licet,tense:present,kind:std,mood:indicative,numbe
r:_8134,person:_8146],arg:[cat:pred,type:finite,pathlist:[p(2,3),p(3,4),p(4,5)],distance:
[0],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pol
arity:pos,argbound:no,gap:[],w:23,add:no,flagint:_8416,c_str:[illocutionary_force:statement,vg:
[selected_reading:uenio_come,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_8542,w:0,pos:v,class:intr,type:finite,lex:uenire,voice:act,txt:uenias,tense:present,kind:std,mood:subjunctive,nu
mber:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],address:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:address,sem:
[hum],class:common,lex:maritus,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:
[address:marite]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:[0],type:vpbound,lex:iam,sem:time,w:1,c_str:
[head:iam]]]
```

illocutionary_force:statement

vg

selected_reading:licet_permission_is_given_to

polarity:pos

cat:vg

* licet *

pos:v

lex:licet

voice:act

tense:present

mood:indicative

arg

cat:pred

* uenias * *, ** marite *

illocutionary_force:statement

number:sing

person:3

vgperson:2

gender:neuter

mood:subjunctive

tense:present

polarity:pos

add:no

c_str

illocutionary_force:statement

vg

selected_reading:uenio_come

polarity:pos

cat:vg

* uenias *

pos:v

lex:uenire

voice:act

tense:present

mood:subjunctive

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

```
constraints_to_be_met:[sem:[hum]]
case:nom
address
  *,* * marite *
  index:i(p(4,5))
  cat:address
  sem:[hum]
  lex:maritus
  number:sing
  person:2
  gender:masc
  case:voc
  c_str
    address
    marite
adverbial_adjunct
  cat:advp
  * iam *
  lex:iam
  sem:time
  c_str
    head
    iam
```

Comment : parse OK, although attachment of iam is better in Parse A

% 94 Catullus Carmina 61 94-95.

Vide ut faces aureas quatiunt comas.

[0/uide,1/ut,2/faces,3/aureas,4/quatiunt,5/comas,endpos(6)]

cputime : 0.28125

11--->

```
[illocutionary_force:statement,vg:[selected_reading:uideo_see,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_7910,w:0,pos:v,class:tr_cod,type:finite,lex:uidere,voice:act,txt:uide,tense:present,kind:std,mood:imperative,nu
mber:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],distance:
[1],gap:
[],class:m,number:_8406,person:_8418,gender:_8430,case:_8442,mood:indicative,tense:present,w:11,subordinator:ut,argboun
d:yes,c_str:[ut,[illocutionary_force:statement,vg:[selected_reading:quatio_shake,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_8640,w:0,pos:v,class:tr_cod,type:finite,lex:quaterere,voice:act,txt:quatiunt,tense:present,kind:std,mood:indicati
ve,number:pl,person:3],subject:[number:pl,gender:fem,pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:fax,txt:faces,case:nom,w:1,c_str:faces],object:[pathlist:
[p(3,4),p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[1],cat:np,class:common,sem:
[thing],number:pl,person:3,gender:fem,type:core,lex:coma,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(5,6)],pos:noun,txt:comas,lex:coma,case:acc,gender:fem,class:common,ab:no,number:pl,sem:[thing]],adjp:[cat:adjp,pathlist:
[p(3,4)],distance:[0],hp:[p(3,4)],case:acc,number:pl,gender:fem,lex:aureus,type:std,w:1,c_str:aureus]]]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:uideo_see

polarity:pos

cat:vg

* uide *

pos:v

lex:uidere

voice:act

tense:present

mood:imperative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

cat:pred

* ut * * faces * * aureas * * quatiunt * * comas *

mood:indicative

tense:present

subordinator

ut

c_str

ut

illocutionary_force:statement

vg

selected_reading:quatio_shake

polarity:pos

cat:vg

* quatiunt *

```

pos:v
lex:quaterere
voice:act
tense:present
mood:indicative
number:pl
person:3
subject
  number:pl
  gender:fem
  * faces *
  index:i(p(2,3))
  cat:np
  sem:[thing]
  person:3
  lex:fax
  case:nom
  c_str
  faces
object
  * aureas * * comas *
  index:i(p(5,6))
  cat:np
  sem:[thing]
  number:pl
  person:3
  gender:fem
  lex:coma
  case:acc
  c_str
  head
    * comas *
    pos:noun
    lex:coma
    case:acc
    gender:fem
    number:pl
    sem:[thing]
  adjp
    cat:adjp
    * aureas *
    case:acc
    number:pl
    gender:fem
    lex:aureus
    c_str
    aureus

```

Comment : parse OK

% 95 Catullus Carmina 72 1.

Dicebas quondam solum te nosse Catullum.

[0/dicebas,1/quondam,2/solum,3/te,4/nouisse,5/catullum,endpos(6)]

cputime : 0.78125

10--->

[illocutionary_force:statement,vg:[selected_reading:dico_say_that,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_21520,w:0,pos:v,class:tr_inf,type:finite,lex:dicere,voice:act,txt:dicebas,tense:imperfect,kind:std,mood:indicati
ve,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite,mood:infinitive,tense:past,class:m,pathlist:
[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_22116,w:9,flagint:no,c_str:[vg:
[selected_reading:novi_know,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:masc,w:0,pos:v,class:tr_cod,type:nonfinite,lex:noscere,voice:act,txt:noscere,tense:past,kind:std,mood:infinitive
,number:sing,person:_22398],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,sem:[hum],class:proper,lex:pp2sg,person:2,type:core,case:acc,w:1,c_str:[head:
[pos:prpers,txt:te,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),case:acc,sem:[hum]],adjp:[cat:adjp,pathlist:
[p(2,3)],distance:[0],hp:[p(2,3)],case:acc,number:sing,gender:masc,lex:solus,type:std,w:1,c_str:solus]]],object:[pathlist:
[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[male],class:proper,lex:catullus,lextype:full,number:sing,person:3,gender:masc,type:core,case:acc,w:1,c_str:catullus],adverbial_
adjunct:[cat:advp,pathlist:[p(1,2)],distance:[0],type:vpbound,lex:quondam,sem:time,w:1,c_str:[head:quondam]]]]]

illocutionary_force:statement

vg

selected_reading:dico_say_that

polarity:pos

cat:vg

* dicebas *

pos:v

lex:dicere

voice:act

tense:imperfect

mood:indicative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[sem:[hum]]

case:nom

object

cat:pred

mood:infinitive

tense:past

* quondam * * solum * * te * * nouisse * * catullum *

number:sing

gender:neuter

case:or([nom,acc])

person:3

polarity:pos

c_str

vg

selected_reading:novi_know

polarity:pos

cat:vg

* nouisse *

gender:masc

```

pos:v
lex:noscere
voice:act
tense:past
mood:infinitive
number:sing
subject
  number:sing
  gender:masc
  * solum * * te *
  index:i(p(3,4))
  cat:np
  sem:[hum]
  lex:pp2sg
  person:2
  case:acc
  c_str
    head
      pos:prpers
      lex:pp2sg
      number:sing
      person:2
      gender:or([masc,fem])
      case:acc
      sem:[hum]
    adjp
      cat:adjp
      * solum *
      case:acc
      number:sing
      gender:masc
      lex:solus
      c_str
        solus
object
  * catullum *
  index:i(p(5,6))
  cat:np
  sem:[male]
  lex:catullus
  number:sing
  person:3
  gender:masc
  case:acc
  c_str
    catullus
adverbial_adjunct
  cat:advp
  * quondam *
  lex:quondam
  sem:time
  c_str
    head
      quondam

```

Comment : attachment of 'quondam' is wrong, should attach to 'dicebas'

% 96 Catullus Carmina 46 6.

Ad claras Asiae volemus urbes.

[0/ad,1/claras,2/asiae,3/uolemus,4/urbes,endpos(5)]

cputime : 0.234375

-8--->

```
[illocutionary_force:statement,vg:[selected_reading:uolo_fly,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_6822,w:0,pos:v,class:intr,type:finite,lex:uolare,voice:act,txt:uolemus,tense:present,kind:std,mood:subjunctive,
number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:0],prep_cplt:[pathlist:[p(0,1),p(1,2),p(2,3),p(4,5)],hp:[p(4,5)],distance:
[4],index:i([p(4,5)]),case:acc,prep:ad,sem:[hum,thing,loc],lex:urbs,w: -5,type:full,cat:pp,c_str:[prep:ad,head:[pathlist:
[p(1,2),p(2,3),p(4,5)],hp:[p(4,5)],index:i([p(4,5)]),distance:[4],sem:
[hum,thing,loc],number:pl,person:3,cat:np,lex:urbs,lextype:full,gender:fem,type:full,case:acc,class:common,w:1,c_str:[head:
[pathlist:[p(1,2),p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[2],cat:np,class:common,sem:
[hum,thing,loc],number:pl,person:3,gender:fem,type:core,lex:urbs,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:urbes,lex:urbs,case:acc,gender:fem,class:common,ab:loc,number:pl,sem:[hum,thing,loc]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:pl,gender:fem,lex:clarus,type:std,w:1,c_str:clarus]]],noun_cplt:[pathlist:[p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[loc,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:asia,txt:asiae,case:gen,w:1,c_
str:asiae]]]]]]]
```

illocutionary_force:statement

vg

selected_reading:uolo_fly

polarity:pos

cat:vg

* uolemus *

pos:v

lex:uolare

voice:act

tense:present

mood:subjunctive

number:pl

person:1

subject

source:context_retrievable

number:pl

gender:or([masc,fem])

person:1

cat:np

index:i(0,0)

case:nom

prep_cplt

* ad * * claras * * asiae * * urbes *

index:i([p(4,5)])

case:acc

prep:ad

sem:[hum,thing,loc]

lex:urbs

cat:pp

c_str

prep:ad

head

* claras * * asiae * * urbes *

index:i([p(4,5)])

sem:[hum,thing,loc]

number:pl

```

person:3
cat:np
lex:urbs
gender:fem
case:acc
c_str
  head
    * claras * * urbes *
    index:i(p(4,5))
    cat:np
    sem:[hum,thing,loc]
    number:pl
    person:3
    gender:fem
    lex:urbs
    case:acc
    c_str
      head
        * urbes *
        pos:noun
        lex:urbs
        case:acc
        gender:fem
        number:pl
        sem:[hum,thing,loc]
      adjp
        cat:adjp
        * claras *
        case:acc
        number:pl
        gender:fem
        lex:clarus
        c_str
          clarus
noun_cplt
  * asiae *
  index:i(p(2,3))
  cat:np
  sem:[loc,thing]
  number:sing
  person:3
  gender:fem
  lex:asia
  case:gen
  c_str
    asiae

```

Comment : parse OK

% 97 adapted from Cicero In Cat 1 17 2.

Servi mei si me metuerent ut te metuunt cives tui domum meam relinquendam putarem.

```
[0/serui,1/mei,2/si,3/me,4/metuerent,5/ut,6/te,7/metuunt,8/ciues,9/tui,10/domum,11/meam,12/relinquendam,13/putar
em,endpos(14)]
cputime : 29.234375
```

16--->

[clause_semantics:irrealis_present_subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:metuo_fear,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_63996,w:0,pos:v,class:tr_cod,type:finite,lex:metuere,voice:act,txt:metuerent,tense:imperfect,kind:std,mood:su
bjunctive,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:noun,class:common,sem:[hum,thing],person:3,type:core,lex:seruus,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(0,1)],pos:noun,txt:serui,lex:seruus,case:nom,gender:masc,class:common,ab:no,number:pl,sem:[hum,thing]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:nom,number:pl,gender:masc,lex:meus,type:poss,w:1,c_str:meus]]],object:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:noun,sem:
[hum],class:proper,lex:pp1sg,number:sing,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp1sg]]],main_clause:
[clause_semantics:_64998,subordinator:[lex:ut,pos:sub,argbound:no,mood:indicative,value:comparison],subordinate_clause:
[ut,[illocutionary_force:statement,vg:[selected_reading:metuo_fear,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_65214,w:0,pos:v,class:tr_cod,type:finite,lex:metuere,voice:act,txt:metuunt,tense:present,kind:std,mood:indica
tive,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(8,9),p(9,10)],hp:[p(8,9)],index:i(p(8,9)),distance:
[0],cat:noun,class:common,sem:[hum],person:3,type:core,lex:cuius,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(8,9)],pos:noun,txt:cuius,lex:cuius,case:nom,gender:masc,class:common,ab:no,number:pl,sem:[hum]],adjp:[cat:adjp,pathlist:
[p(9,10)],distance:[0],hp:[p(9,10)],case:nom,number:pl,gender:masc,lex:tuis,type:poss,w:1,c_str:tuis]]],object:[pathlist:
[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:noun,sem:
[hum],class:proper,lex:pp2sg,number:sing,gender:or([masc,fem]),type:core,case:acc,w:1,c_str:pp2sg]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:puto_think_that,polarity:pos,cat:vg,pathlist:[p(13,14)],hp:
[p(13,14)],gender:_66318,w:0,pos:v,class:tr_inf,type:finite,lex:putare,voice:act,txt:putarem,tense:imperfect,kind:std,mood:subj
unctive,number:sing,person:1],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:1,cat:noun,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:
[cat:pred,type:gerund,subtype:gerundive,case:acc,mood:gerund,class:m,local_case:acc,number:sing,gender:neuter,pat
hlist:[p(10,11),p(11,12),p(12,13)],distance:[0],gap:[],w:5,c_str:[vg:
[selected_reading:relinquo_leave,pos:gdiv,txt:relinquendam,case:acc,gender:fem,number:sing,lex:relinquere,class:tr_cod,type:
gdiv,kind:std,mood:gerund,person:3],object:[pathlist:[p(10,11),p(11,12)],hp:[p(10,11)],index:i(p(10,11)),distance:
[0],cat:noun,class:common,sem:
[abstract,thing,city],number:sing,gender:fem,type:core,lex:domus,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(10,11)],pos:noun,txt:domum,lex:domus,case:acc,gender:fem,class:common,ab:no,number:sing,sem:
[abstract,thing,city]],adjp:[cat:adjp,pathlist:[p(11,12)],distance:[0],hp:
[p(11,12)],case:acc,number:sing,gender:fem,lex:meus,type:poss,w:1,c_str:meus]]]]]]]]]

clause_semantics:irrealis_present
 subordinator
 lex:si
 pos:sub
 mood:subjunctive
 subordinate_clause
 si
 illocutionary_force:statement
 vg
 selected_reading:metuo_fear
 polarity:pos
 cat:vg
 * metuerent *
 pos:v
 lex:metuere
 voice:act
 tense:imperfect
 mood:subjunctive
 number:pl
 person:3

```

subject
  number:pl
  gender:masc
  * serui * * mei *
  index:i(p(0,1))
  cat:np
  sem:[hum,thing]
  person:3
  lex:seruus
  case:nom
  c_str
    head
      * serui *
      pos:noun
      lex:seruus
      case:nom
      gender:masc
      number:pl
      sem:[hum,thing]
    adjp
      cat:adjp
      * mei *
      case:nom
      number:pl
      gender:masc
      lex:meus
      c_str
        meus
object
  * me *
  index:i(p(3,4))
  cat:np
  sem:[hum]
  lex:pp1sg
  number:sing
  person:1
  gender:or([masc,fem])
  case:acc
  c_str
    pp1sg
main_clause
  subordinator
    lex:ut
    pos:sub
    mood:indicative
    value:comparison
  subordinate_clause
    ut
      illocutionary_force:statement
      vg
        selected_reading:metuo_fear
        polarity:pos
        cat:vg
        * metuunt *
        pos:v
        lex:metuere
        voice:act
        tense:present
        mood:indicative
        number:pl
        person:3
      subject
        number:pl
        gender:masc

```

```

    * ciues * * tui *
    index:i(p(8,9))
    cat:np
    sem:[hum]
    person:3
    lex:ciuis
    case:nom
    c_str
    head
        * ciues *
        pos:noun
        lex:ciuis
        case:nom
        gender:masc
        number:pl
        sem:[hum]
    adjp
    cat:adjp
    * tui *
    case:nom
    number:pl
    gender:masc
    lex:tuus
    c_str
    tuus
object
    * te *
    index:i(p(6,7))
    cat:np
    sem:[hum]
    lex:pp2sg
    number:sing
    person:2
    gender:or([masc,fem])
    case:acc
    c_str
    pp2sg
main_clause
    illocutionary_force:statement
    vg
        selected_reading:puto_think_that
        polarity:pos
        cat:vg
        * putarem *
        pos:v
        lex:putare
        voice:act
        tense:imperfect
        mood:subjunctive
        number:sing
        person:1
    subject
        source:context_retrievable
        number:sing
        gender:or([masc,fem])
        person:1
        cat:np
        index:i(0,0)
        constraints_to_be_met:[sem:[hum]]
        case:nom
    object
        cat:pred
        subtype:gerundive
        case:acc

```

```

mood:gerund
local_case:acc
number:sing
person:3
gender:neuter
* domum * * meam * * relinquendam *
c_str
  vg
    selected_reading:relinquo_leave
    pos:gdiv
    case:acc
    gender:fem
    number:sing
    lex:relinquere
    mood:gerund
    person:3
  object
    * domum * * meam *
    index:i(p(10,11))
    cat:np
    sem:[abstract,thing,city]
    number:sing
    person:3
    gender:fem
    lex:domus
    case:acc
  c_str
    head
      * domum *
      pos:noun
      lex:domus
      case:acc
      gender:fem
      number:sing
      sem:[abstract,thing,city]
    adjp
      cat:adjp
      * meam *
      case:acc
      number:sing
      gender:fem
      lex:meus
      c_str
        meus

```

Comment : wrong attachment of 'ut' clause. The sentence is longish, though (that's not a valid excuse, I'm afraid)

% 98 Cicero Att VII 3 4.

De sua potentia dimicant homines hoc tempore periculo civitatis.

[0/de,1/sua,2/potentia,3/dimicant,4/homines,5/hoc,6/tempore,7/periculo,8/ciuitatis,endpos(9)]
cputime : 3.65625

2--->

[illocutionary_force:question,vg:[selected_reading:dimico_fight,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_13626,w:0,pos:v,class:intr,type:finite,lex:dimicare,voice:act,txt:dimicant,tense:present,kind:std,mood:indicativ
e,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,person:3,type:core,lex:homo,txt:homines,case:nom,w:1,c_str:homines],prep_cpl
t:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:abl,prep:de,sem:[quality],lex:potentia,w:
-1,type:core,cat:pp,c_str:[prep:de,head:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:
[0],cat:np,class:common,sem:[quality],number:sing,person:3,gender:fem,type:core,lex:potentia,lextype:full,case:abl,w:2,c_str:
[head:[pathlist:[p(2,3)],pos:noun,txt:potentia,lex:potentia,case:abl,gender:fem,class:common,ab:mm,number:sing,sem:
[quality]],adjp:[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:abl,number:sing,gender:fem,lex:suus,type:poss,w:1,c_str:suus]]],adjunct:[pathlist:[p(7,8),p(8,9)],distance:
[0],class:adjunct,value:manner_means,type:full,w:0,c_str:[head:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:
[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:periculum,txt:pericul
o,case:abl,w:1,c_str:periculo],noun_cplt:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[hum,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:ciuitas,txt:ciuitatis,case:gen,w
:1,c_str:ciuitatis]]],adjunct:[pathlist:[p(5,6),p(6,7)],hp:[p(6,7)],distance:
[0],cat:np,class:adjunct,value:time,number:sing,person:3,gender:neuter,lex:tempus,lextype:full,type:int,case:abl,w:2,c_str:
[head:[lex:tempus,sem:time_when,cat:np,number:sing,gender:neuter,case:acc,index:i(p(6,7))]]],adj:hic]]

illocutionary_force:question

vg

selected_reading:dimico_fight

polarity:pos

cat:vg

* dimicant *

pos:v

lex:dimicare

voice:act

tense:present

mood:indicative

number:pl

person:3

subject

number:pl

gender:masc

* homines *

index:i(p(4,5))

cat:np

sem:[hum]

person:3

lex:homo

case:nom

c_str

homines

prep_cplt

* de * * sua * * potentia *

index:i(p(2,3))

case:abl

prep:de

sem:[quality]

lex:potentia

cat:pp

c_str

```

prep:de
head
  * sua * * potentia *
  index:i(p(2,3))
  cat:np
  sem:[quality]
  number:sing
  person:3
  gender:fem
  lex:potentia
  case:abl
  c_str
    head
      * potentia *
      pos:noun
      lex:potentia
      case:abl
      gender:fem
      number:sing
      sem:[quality]
    adjp
      cat:adjp
      * sua *
      case:abl
      number:sing
      gender:fem
      lex:suus
      c_str
        suus
adjunct
  * periculo * * ciuitatis *
  value:manner_means
  c_str
    head
      * periculo *
      index:i(p(7,8))
      cat:np
      sem:[thing,abstract]
      number:sing
      person:3
      gender:neuter
      lex:periculum
      case:abl
      c_str
        periculo
    noun_cplt
      * ciuitatis *
      index:i(p(8,9))
      cat:np
      sem:[hum,loc]
      number:sing
      person:3
      gender:fem
      lex:ciuitas
      case:gen
      c_str
        ciuitatis
adjunct
  * hoc * * tempore *
  cat:np
  value:time
  number:sing
  person:3
  gender:neuter

```

lex:tempus
case:abl
c_str
 head
 lex:tempus
 sem:time_when
 cat:np
 number:sing
 gender:neuter
 case:acc
 index:i(p(6,7))
adj:hic

Comment : parse OK

% 99 Ovidius Tristia 1 9 5.

Donec eris sospes multos numerabis amicos.

[0/donec,1/eris,2/sospes,3/multos,4/numerabis,5/amicos,endpos(6)]
cputime : 0.1875

Parse A

8--->

```
[clause_semantics:_7894,subordinator:[lex:donec,pos:sub,argbound:no,mood:indicative],subordinate_clause:[donec,
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_8098,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:eris,tense:future,kind:std,mood:indicative,numbe
r:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[number:sing,gender:or([masc,fem]),case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[cat:adjp,pathlist:
[p(2,3)],distance:[0],hp:[p(2,3)],case:nom,number:sing,gender:fem,lex:sospes,type:std,w:1,c_str:sospes]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:numero_number,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_8756,w:0,pos:v,class:tr_cod,type:finite,lex:numerare,voice:act,txt:numerabis,tense:future,kind:std,mood:indic
ative,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4),p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[1],cat:np,class:common,sem:[hum],number:pl,person:3,gender:masc,type:core,lex:amicus,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(5,6)],pos:noun,txt:amicos,lex:amicus,case:acc,gender:masc,class:common,ab:no,number:pl,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:[p(3,4)],case:acc,number:pl,gender:masc,lex:multus,type:std,w:1,c_str:multus]]]]]
```

```
subordinator
  lex:donec
  pos:sub
  mood:indicative
subordinate_clause
  donec
  illocutionary_force:statement
  vg
    selected_reading:sum_be
    polarity:pos
    cat:vg
    * eris *
    pos:v
    lex:esse
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    constraints_to_be_met:[number:sing,gender:or([masc,fem]),case:nom]
    case:nom
  predicative
    cat:adjp
    * sospes *
    case:nom
    number:sing
    gender:fem
    lex:sospes
```

```

      c_str
      sospes
main_clause
  illocutionary_force:statement
  vg
    selected_reading:numero_number
    polarity:pos
    cat:vg
    * numerabis *
    pos:v
    lex:numerare
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    case:nom
  object
    * multos * * amicos *
    index:i(p(5,6))
    cat:np
    sem:[hum]
    number:pl
    person:3
    gender:masc
    lex:amicus
    case:acc
    c_str
      head
        * amicos *
        pos:noun
        lex:amicus
        case:acc
        gender:masc
        number:pl
        sem:[hum]
      adjp
        cat:adjp
        * multos *
        case:acc
        number:pl
        gender:masc
        lex:multus
        c_str
          multus

```

Comment : parse OK. Parse A differs from Parse B in assigning gender to sospes : fem in A, masc in B

Parse B

8--->

```
[clause_semantics:_9670,subordinator:[lex:donec,pos:sub,argbound:no,mood:indicative],subordinate_clause:[donec,
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_9874,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:eris,tense:future,kind:std,mood:indicative,numbe
r:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[number:sing,gender:or([masc,fem]),case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[cat:adjp,pathlist:
[p(2,3)],distance:[0],hp:[p(2,3)],case:nom,number:sing,gender:masc,lex:sospes,type:std,w:1,c_str:sospes]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:numero_number,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_10532,w:0,pos:v,class:tr_cod,type:finite,lex:numerare,voice:act,txt:numerabis,tense:future,kind:std,mood:indi
cative,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4),p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[1],cat:np,class:common,sem:[hum],number:pl,person:3,gender:masc,type:core,lex:amicus,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(5,6)],pos:noun,txt:amicos,lex:amicus,case:acc,gender:masc,class:common,ab:no,number:pl,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:[p(3,4)],case:acc,number:pl,gender:masc,lex:multus,type:std,w:1,c_str:multus]]]]]
```

```
subordinator
  lex:donec
  pos:sub
  mood:indicative
subordinate_clause
  donec
  illocutionary_force:statement
  vg
    selected_reading:sum_be
    polarity:pos
    cat:vg
    * eris *
    pos:v
    lex:esse
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    constraints_to_be_met:[number:sing,gender:or([masc,fem]),case:nom]
    case:nom
  predicative
    cat:adjp
    * sospes *
    case:nom
    number:sing
    gender:masc
    lex:sospes
    c_str
    sospes
main_clause
  illocutionary_force:statement
  vg
    selected_reading:numero_number
    polarity:pos
    cat:vg
    * numerabis *
```

pos:v
lex:numerare
voice:act
tense:future
mood:indicative
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
case:nom
object
* multos * * amicos *
index:i(p(5,6))
cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:amicus
case:acc
c_str
head
* amicos *
pos:noun
lex:amicus
case:acc
gender:masc
number:pl
sem:[hum]
adjp
cat:adjp
* multos *
case:acc
number:pl
gender:masc
lex:multus
c_str
multus

% 100 Ovidius Tristia 1 9 6.

Tempora si fuerint nubila solus eris.

[0/tempora,1/si,2/fuerint,3/nubila,4/solus,5/eris,endpos(6)]
cputime : 0.671875

Parse A

7--->

```
[clause_semantics:_17356,subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_17560,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:fuerint,tense:perfect,kind:std,mood:subjunctive,
number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[abstract,time],class:common,lextype:full,origin:noun,person:3,type:core,lex:tempus,txt:tempora,case:nom,w:1,c_str:tempora]
,predicative:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:nubulum,txt:nubila,case:
nom,w:1,c_str:nubila]]],main_clause:[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:
[p(5,6)],hp:
[p(5,6)],gender:_18396,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:eris,tense:future,kind:std,mood:indicative,numb
er:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[number:sing,gender:or([masc,fem]),case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[cat:adjp,pathlist:
[p(4,5)],distance:[0],hp:[p(4,5)],case:nom,number:sing,gender:masc,lex:solus,type:std,w:1,c_str:solus]]]
```

```
subordinator
lex:si
pos:sub
mood:subjunctive
subordinate_clause
si
illocutionary_force:statement
vg
selected_reading:sum_be
polarity:pos
cat:vg
* fuerint *
pos:v
lex:esse
voice:act
tense:perfect
mood:subjunctive
number:pl
person:3
subject
number:pl
gender:neuter
* tempora *
index:i(p(0,1))
cat:np
sem:[abstract,time]
person:3
lex:tempus
case:nom
c_str
tempora
predicative
* nubila *
index:i(p(3,4))
cat:np
sem:[thing,abstract]
number:pl
```



```

    person:3
    gender:neuter
    lex:nubilum
    case:nom
    c_str
    nubila
main_clause
  illocutionary_force:statement
  vg
    selected_reading:sum_be
    polarity:pos
    cat:vg
    * eris *
    pos:v
    lex:esse
    voice:act
    tense:future
    mood:indicative
    number:sing
    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    constraints_to_be_met:[number:sing,gender:or([masc,fem]),case:nom]
    case:nom
  predicative
    cat:adjp
    * solus *
    case:nom
    number:sing
    gender:masc
    lex:solus
    c_str
    solus

```

Comment : parse OK. Parse A differs from Parse B in semantic feature assignment to tempora : [abstract, time] here vs [thing] in Parse B. Parse A is therefore to be preferred.

Parse B

7--->

```
[clause_semantics:_18946,subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_19150,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:fuerint,tense:perfect,kind:std,mood:subjunctive,
number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,person:3,type:core,lex:tempora,txt:tempora,case:nom,w:1,c_str:tempora],predic
ative:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:nubilum,txt:nubila,case
:nom,w:1,c_str:nubila]]],main_clause:[illocutionary_force:statement,vg:[selected_reading:sum_be,polarity:pos,cat:vg,pathlist:
[p(5,6)],hp:
[p(5,6)],gender:_19980,w:0,pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:eris,tense:future,kind:std,mood:indicative,numb
er:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[number:sing,gender:or([masc,fem]),case:nom],distance:[0],pathlist:[],case:nom,w:0],predicative:[cat:adjp,pathlist:
[p(4,5)],distance:[0],hp:[p(4,5)],case:nom,number:sing,gender:masc,lex:solus,type:std,w:1,c_str:solus]]]
```

```
subordinator
  lex:si
  pos:sub
  mood:subjunctive
subordinate_clause
  si
    illocutionary_force:statement
    vg
      selected_reading:sum_be
      polarity:pos
      cat:vg
      * fuerint *
      pos:v
      lex:esse
      voice:act
      tense:perfect
      mood:subjunctive
      number:pl
      person:3
    subject
      number:pl
      gender:neuter
      * tempora *
      index:i(p(0,1))
      cat:np
      sem:[thing]
      person:3
      lex:tempora
      case:nom
      c_str
        tempora
    predicative
      * nubila *
      index:i(p(3,4))
      cat:np
      sem:[thing,abstract]
      number:pl
      person:3
      gender:neuter
      lex:nubilum
      case:nom
      c_str
        nubila
  main_clause
```

illocutionary_force:statement

vg

selected_reading:sum_be

polarity:pos

cat:vg

* eris *

pos:v

lex:esse

voice:act

tense:future

mood:indicative

number:sing

person:2

subject

source:context_retrievable

number:sing

gender:or([masc,fem])

person:2

cat:np

index:i(0,0)

constraints_to_be_met:[number:sing,gender:or([masc,fem]),case:nom]

case:nom

predicative

cat:adjp

* solus *

case:nom

number:sing

gender:masc

lex:solus

c_str

solus

Mane leonibus et ursis homines, meridie spectatoribus suis obiiciuntur.

[0/mane,1/leonibus,2/et,3/ursis,4/homines,5/(','),6/meridie,7/spectatoribus,8/suis,9/obiiciuntur,endpos(10)]
cputime : 1.75

4.99--->

[illocutionary_force:statement,vg:[selected_reading:obiicio_throw,polarity:pos,cat:vg,pathlist:[p(9,10)],hp:
[p(9,10)],gender:_12250,w:0,pos:v,class:tr_cod,type:finite,lex:obiicere,voice:pass,txt:obiiciuntur,tense:present,kind:std,mood:i
ndicative,number:pl,person:3],arglist:[subject:
[source:context_retrievable,number:pl,gender:_12454,person:3,cat:np,index:i(0,0),constraints_to_be_met:
[case:nom],distance:[0],pathlist:[],case:nom,w:-1],i_object:[pathlist:[p(7,8),p(8,9)],hp:[p(7,8)],index:i(p(7,8)),distance:
[0],cat:np,class:common,sem:[hum],number:pl,person:3,gender:masc,type:core,lex:spectator,lextype:full,case:dat,w:2,c_str:
[head:[pathlist:[p(7,8)],pos:noun,txt:spectatoribus,lex:spectator,case:dat,gender:masc,class:common,ab:mm,number:pl,sem:
[hum]],adjp:[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:
[p(8,9)],case:dat,number:pl,gender:masc,lex:suus,type:poss,w:1,c_str:suus]],adverbial_adjunct:[cat:advp,pathlist:
[p(6,7)],distance:[0],type:vpbound,lex:meridie,sem:time,w:1,c_str:[head:meridie]],linker:comma,arglist:[subject:
[number:pl,gender:masc,pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,person:3,type:core,lex:homo,txt:homines,case:nom,w:1,c_str:homines],i_object:
[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(1,2)],index:i([p(1,2),p(3,4)]),distance:[1],sem:
[thing,hum],class:common,lex:leo,lextype:full,type:core,number:pl,person:3,gender:masc,case:dat,w:2,coord:yes,c_str:[head:
[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[thing,hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:leo,txt:leonibus,case:dat,w:1
,c_str:leonibus],coord:et,head:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[animal,thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:ursus,txt:ursis,case:dat,w:
1,c_str:ursis]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:[0],type:vpbound,lex:mane,sem:time,w:1,c_str:
[head:mane]]]]]

illocutionary_force:statement

vg

selected_reading:obiicio_throw

polarity:pos

cat:vg

* obiiciuntur *

pos:v

lex:obiicere

voice:pass

tense:present

mood:indicative

number:pl

person:3

arglist

subject

source:context_retrievable

number:pl

person:3

cat:np

index:i(0,0)

constraints_to_be_met:[case:nom]

case:nom

i_object

* spectatoribus * * suis *

index:i(p(7,8))

cat:np

sem:[hum]

number:pl

person:3

gender:masc

lex:spectator

case:dat

c_str

```

    head
      * spectatoribus *
      pos:noun
      lex:spectator
      case:dat
      gender:masc
      number:pl
      sem:[hum]
    adjp
      cat:adjp
      * suis *
      case:dat
      number:pl
      gender:masc
      lex:suus
      c_str
      suus
  adverbial_adjunct
    cat:advp
    * meridie *
    lex:meridie
    sem:time
    c_str
    head
    meridie
linker
comma
arglist
  subject
    number:pl
    gender:masc
    * homines *
    index:i(p(4,5))
    cat:np
    sem:[hum]
    person:3
    lex:homo
    case:nom
    c_str
    homines
  i_object
    * leonibus * * et * * ursis *
    index:i([p(1,2),p(3,4)])
    sem:[thing,hum]
    lex:leo
    number:pl
    person:3
    gender:masc
    case:dat
    coord:yes
    c_str
    head
      * leonibus *
      index:i(p(1,2))
      cat:np
      sem:[thing,hum]
      number:pl
      person:3
      gender:masc
      lex:leo
      case:dat
      c_str
      leonibus
    coord:et

```

```
head
  * ursis *
  index:i(p(3,4))
  cat:np
  sem:[animal,thing]
  number:pl
  person:3
  gender:masc
  lex:ursus
  case:dat
  c_str
  ursis
adverbial_adjunct
  cat:advp
  * mane *
  lex:mane
  sem:time
  c_str
  head
  mane
```

Comment : use of the 'linker' construct leads to non-straightforward parse

% 102 Cicero Pro Rege Deiotaro 30 14-15.

Nulli parietes nostram salutem, nullae leges, nulla iura custodient.

[0/nulli,1/parietes,2/nostram,3/salutem,4/(,),5/nullae,6/leges,7/(,),8/nulla,9/iura,10/custodient,endpos(11)]
cputime : 24.4375

Parse A

8.95--->

```
illocutionary_force:statement,vg:[selected_reading:custodio_protect,polarity:pos,cat:vg,pathlist:[p(10,11)],hp:
[p(10,11)],gender:_49392,w:0,pos:v,class:tr_cod,type:finite,lex:custodire,voice:act,txt:custodient,tense:future,kind:std,mood:in
dicative,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:
[p(0,1),p(1,2),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],hp:[p(1,2)],index:i([p(1,2),p(6,7)]),distance:[1],sem:
[thing],class:common,lex:paries,lextype:full,type:core,person:3,case:nom,w:6,coord:yes,c_str:[np,[head:[pathlist:
[p(1,2),p(7,8),p(8,9),p(9,10)],hp:[p(1,2)],index:i([p(1,2),p(9,10)]),distance:[6],sem:
[thing],class:common,lex:paries,lextype:full,type:core,number:pl,person:3,gender:masc,case:nom,w:3,coord:yes,c_str:[head:
[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:paries,txt:parietes,case:nom,w:1,
c_str:parietes],coord:comma,head:[pathlist:[p(8,9),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:neuter,type:core,lex:ius,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(9,10)],pos:noun,txt:iura,lex:ius,case:nom,gender:neuter,class:common,ab:mm,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:
[p(8,9)],case:nom,number:pl,gender:neuter,lex:nullus,type:tool,w:1,c_str:nullus]]]],coord:comma,head:[pathlist:
[p(5,6),p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:fem,type:core,lex:lex,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:leges,lex:lex,case:nom,gender:fem,class:common,ab:mm,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:[p(5,6)],case:nom,number:pl,gender:fem,lex:nullus,type:tool,w:1,c_str:nullus]]]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:pl,gender:masc,lex:nullus,type:tool,w:1,c_str:nullus]]],object:[pathlist:[p(2,3),p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,class:common,sem:
[quality],number:sing,person:3,gender:fem,type:core,lex:salus,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(3,4)],pos:noun,txt:salutem,lex:salus,case:acc,gender:fem,class:common,ab:no,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:acc,number:sing,gender:fem,lex:noster,type:poss,w:1,c_str:noster]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:custodio_protect
  polarity:pos
  cat:vg
  * custodient *
  pos:v
  lex:custodire
  voice:act
  tense:future
  mood:indicative
  number:pl
  person:3
subject
  number:pl
  gender:masc
  * nulli * parietes * *, ** nullae ** leges ** , ** nulla ** iura *
  index:i([p(1,2),p(6,7)])
  sem:[thing]
  lex:paries
  person:3
  case:nom
  coord:yes
  c_str
    np
      head
```

```

* parietes **, ** nulla ** iura *
index:i([p(1,2),p(9,10)])
sem:[thing]
lex:paries
number:pl
person:3
gender:masc
case:nom
coord:yes
c_str
  head
    * parietes *
    index:i(p(1,2))
    cat:np
    sem:[thing]
    number:pl
    person:3
    gender:masc
    lex:paries
    case:nom
    c_str
      parietes
  coord:comma
  head
    * nulla ** iura *
    index:i(p(9,10))
    cat:np
    sem:[abstract]
    number:pl
    person:3
    gender:neuter
    lex:ius
    case:nom
    c_str
      head
        * iura *
        pos:noun
        lex:ius
        case:nom
        gender:neuter
        number:pl
        sem:[abstract]
      adjp
        cat:adjp
        * nulla *
        case:nom
        number:pl
        gender:neuter
        lex:nullus
        c_str
          nullus
  coord:comma
  head
    * nullae ** leges *
    index:i(p(6,7))
    cat:np
    sem:[abstract]
    number:pl
    person:3
    gender:fem
    lex:lex
    case:nom
    c_str
      head

```



```

        * leges *
        pos:noun
        lex:lex
        case:nom
        gender:fem
        number:pl
        sem:[abstract]
    adjp
        cat:adjp
        * nullae *
        case:nom
        number:pl
        gender:fem
        lex:nullus
        c_str
        nullus
    adjp
        cat:adjp
        * nulli *
        case:nom
        number:pl
        gender:masc
        lex:nullus
        c_str
        nullus
object
    * nostram * * salutem *
    index:i(p(3,4))
    cat:np
    sem:[quality]
    number:sing
    person:3
    gender:fem
    lex:salus
    case:acc
    c_str
    head
        * salutem *
        pos:noun
        lex:salus
        case:acc
        gender:fem
        number:sing
        sem:[quality]
    adjp
        cat:adjp
        * nostram *
        case:acc
        number:sing
        gender:fem
        lex:noster
        c_str
        noster

```

Comment : both parses are debatable. Parse B is easier to get the hang of, I think.

Parse B

8.95--->

```
[illocutionary_force:statement,vg:[selected_reading:custodio_protect,polarity:pos,cat:vg,pathlist:[p(10,11)],hp:
[p(10,11)],gender:_73152,w:0,pos:v,class:tr_cod,type:finite,lex:custodire,voice:act,txt:custodient,tense:future,kind:std,mood:in
dicative,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:
[p(0,1),p(1,2),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10)],hp:[p(1,2)],index:i([p(1,2),p(6,7)]),distance:[1],sem:
[thing],class:common,lex:paries,lextype:full,type:core,person:3,case:nom,w:6,coord:yes,c_str:[head:[pathlist:
[p(0,1),p(1,2),p(7,8),p(8,9),p(9,10)],hp:[p(1,2)],index:i([p(1,2),p(9,10)]),distance:[6],sem:
[thing],class:common,lex:paries,lextype:full,type:core,number:pl,person:3,gender:masc,case:nom,w:4,coord:yes,c_str:[head:
[pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:common,sem:
[thing],number:pl,person:3,gender:masc,type:core,lex:paries,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:parietes,lex:paries,case:nom,gender:masc,class:common,ab:no,number:pl,sem:[thing]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:nom,number:pl,gender:masc,lex:nullus,type:tool,w:1,c_str:nullus]]],coord:comma,head:[pathlist:
[p(8,9),p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:neuter,type:core,lex:ius,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(9,10)],pos:noun,txt:iura,lex:ius,case:nom,gender:neuter,class:common,ab:mm,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(8,9)],distance:[0],hp:
[p(8,9)],case:nom,number:pl,gender:neuter,lex:nullus,type:tool,w:1,c_str:nullus]]]]],coord:comma,head:[pathlist:
[p(5,6),p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,class:common,sem:
[abstract],number:pl,person:3,gender:fem,type:core,lex:lex,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:leges,lex:lex,case:nom,gender:fem,class:common,ab:mm,number:pl,sem:[abstract]],adjp:
[cat:adjp,pathlist:[p(5,6)],distance:[0],hp:
[p(5,6)],case:nom,number:pl,gender:fem,lex:nullus,type:tool,w:1,c_str:nullus]]]]],object:[pathlist:[p(2,3),p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,class:common,sem:
[quality],number:sing,person:3,gender:fem,type:core,lex:salus,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(3,4)],pos:noun,txt:salutem,lex:salus,case:acc,gender:fem,class:common,ab:no,number:sing,sem:[quality]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:[p(2,3)],case:acc,number:sing,gender:fem,lex:noster,type:poss,w:1,c_str:noster]]]]]
```

illocutionary_force:statement

vg

selected_reading:custodio_protect

polarity:pos

cat:vg

* custodient *

pos:v

lex:custodire

voice:act

tense:future

mood:indicative

number:pl

person:3

subject

number:pl

gender:masc

* nulli * * parietes * * , * * nullae * * leges * * , * * nulla * * iura *

index:i([p(1,2),p(6,7)])

sem:[thing]

lex:paries

person:3

case:nom

coord:yes

c_str

head

* nulli * * parietes * * , * * nulla * * iura *

index:i([p(1,2),p(9,10)])

sem:[thing]

lex:paries

number:pl

person:3

gender:masc

case:nom

```

coord:yes
c_str
  head
    * nulli * * parietes *
    index:i(p(1,2))
    cat:np
    sem:[thing]
    number:pl
    person:3
    gender:masc
    lex:paries
    case:nom
    c_str
      head
        * parietes *
        pos:noun
        lex:paries
        case:nom
        gender:masc
        number:pl
        sem:[thing]
      adjp
        cat:adjp
        * nulli *
        case:nom
        number:pl
        gender:masc
        lex:nullus
        c_str
          nullus
coord:comma
head
  * nulla * * iura *
  index:i(p(9,10))
  cat:np
  sem:[abstract]
  number:pl
  person:3
  gender:neuter
  lex:ius
  case:nom
  c_str
    head
      * iura *
      pos:noun
      lex:ius
      case:nom
      gender:neuter
      number:pl
      sem:[abstract]
    adjp
      cat:adjp
      * nulla *
      case:nom
      number:pl
      gender:neuter
      lex:nullus
      c_str
        nullus
coord:comma
head
  * nullae * * leges *
  index:i(p(6,7))
  cat:np

```

```
sem:[abstract]
number:pl
person:3
gender:fem
lex:lex
case:nom
c_str
  head
    * leges *
    pos:noun
    lex:lex
    case:nom
    gender:fem
    number:pl
    sem:[abstract]
  adjp
    cat:adjp
    * nullae *
    case:nom
    number:pl
    gender:fem
    lex:nullus
    c_str
    nullus
object
  * nostram * * salutem *
  index:i(p(3,4))
  cat:np
  sem:[quality]
  number:sing
  person:3
  gender:fem
  lex:salus
  case:acc
  c_str
    head
      * salutem *
      pos:noun
      lex:salus
      case:acc
      gender:fem
      number:sing
      sem:[quality]
    adjp
      cat:adjp
      * nostram *
      case:acc
      number:sing
      gender:fem
      lex:noster
      c_str
      noster
```

% 103 Tacitus Ann 16 34 1.

Tum ad Thraseam in hortis agentem quaestor consulis missus vespascente iam die.

[0/tum,1/ad,2/thraseam,3/in,4/hortis,5/agentem,6/quaestor,7/consulis,8/missus,9/uesperascente,10/iam,11/die,endpos(12)]

cputime : 15.765625

16.48--->

[illocutionary_force:statement,vg:[selected_reading:mitto_send,polarity:pos,cat:vg,type:finite,pathlist:[p(8,9)],hp:[p(8,9)],lex:mittere,person:3,mood:indicative,tense:perfect,voice:pass,number:sing,gender:masc,w:5],subject:[number:sing,gender:masc,pathlist:[p(6,7),p(7,8)],hp:[p(6,7)],index:i([p(6,7)]),distance:[0],sem:[hum],person:3,cat:np,lex:quaestor,lextype:full,type:full,case:nom,class:common,w:1.5,c_str:[head:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:quaestor,txt:quaestor,case:nom,w:1,c_str:quaestor],noun_cpl:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:consul,txt:consulis,case:gen,w:1,c_str:consulis]]],prep_cpl:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:acc,prep:ad,sem:[male],lex:thrsea,w:6,type:core,cat:pp,c_str:[prep:ad,head:[pathlist:[p(2,3),p(3,4),p(4,5),p(5,6)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:pc2np,sem:[male],number:sing,person:3,gender:masc,type:core,lex:thrsea,lextype:full,case:acc,w:6,type_pp:pprcentered,c_str:[head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:[male],class:proper,lex:thrsea,lextype:full,number:sing,person:3,gender:masc,type:core,case:acc,w:1,c_str:thrsea],participle_clause:[pathlist:[p(3,4),p(4,5),p(5,6)],hp:[p(5,6)],distance:[0],cat:ppclause,w:4,type:pprcentered,number:sing,gender:or([masc,fem]),lex:ago_be,case:acc,c_str:[present_participle,ago_be,[prep_cpl:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],distance:[0],index:i(p(4,5)),case:abl,prep:in,sem:[loc,thing],lex:hortus,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:[loc,thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:hortus,txt:hortis,case:abl,w:1,c_str:hortis]]]]]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:[0],type:vpbound,lex:tum,sem:time,w:1,c_str:[head:tum]],ablative_absolute:[pathlist:[p(9,10),p(10,11),p(11,12)],distance:[0],w:9,c_str:[head:[pathlist:[p(11,12)],hp:[p(11,12)],index:i(p(11,12)),distance:[0],cat:np,sem:[time,thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:or([masc,fem]),type:core,lex:dies,txt:die,case:abl,w:1,c_str:die],participle_clause:[pathlist:[p(9,10),p(10,11)],hp:[p(9,10)],distance:[0],cat:ppclause,w:5,type:pprcentered,number:sing,gender:or([masc,fem]),lex:dies_uesperascit_it_is_getting_dark,case:abl,c_str:[present_participle,dies_uesperascit_it_is_getting_dark,[adverbial_adjunct:[cat:advp,pathlist:[p(10,11)],distance:[0],type:vpbound,lex:iam,sem:time,w:1,c_str:[head:iam]]]]]]]]]

illocutionary_force:statement
vg
selected_reading:mitto_send
polarity:pos
cat:vg
* missus *
lex:mittere
person:3
mood:indicative
tense:perfect
voice:pass
number:sing
gender:masc
subject
number:sing
gender:masc
* quaestor * * consulis *
index:i([p(6,7)])
sem:[hum]
person:3
cat:np
lex:quaestor
case:nom

```

c_str
  head
    * quaestor *
    index:i(p(6,7))
    cat:np
    sem:[hum]
    number:sing
    person:3
    gender:masc
    lex:quaestor
    case:nom
    c_str
    quaestor
noun_cplt
  * consulis *
  index:i(p(7,8))
  cat:np
  sem:[hum]
  number:sing
  person:3
  gender:masc
  lex:consul
  case:gen
  c_str
  consulis
prep_cplt
  * ad ** thraseam ** in ** hortis ** agentem *
  index:i(p(2,3))
  case:acc
  prep:ad
  sem:[male]
  lex:thrsea
  cat:pp
  c_str
  prep:ad
  head
    * thraseam ** in ** hortis ** agentem *
    index:i(p(2,3))
    cat:np
    sem:[male]
    number:sing
    person:3
    gender:masc
    lex:thrsea
    case:acc
    c_str
    head
      * thraseam *
      index:i(p(2,3))
      cat:np
      sem:[male]
      lex:thrsea
      number:sing
      person:3
      gender:masc
      case:acc
      c_str
      thrsea
    participle_clause
      * in ** hortis ** agentem *
      cat:ppclause
      number:sing
      gender:or([masc,fem])
      lex:ago_be

```

```

case:acc
c_str
  present_participle
  ago_be
  prep_cplt
    * in ** hortis *
    index:i(p(4,5))
    case:abl
    prep:in
    sem:[loc,thing]
    lex:hortus
    cat:pp
    c_str
      prep:in
      head
        * hortis *
        index:i(p(4,5))
        cat:np
        sem:[loc,thing]
        number:pl
        person:3
        gender:masc
        lex:hortus
        case:abl
        c_str
          hortis
adverbial_adjunct
  cat:advp
  * tum *
  lex:tum
  sem:time
  c_str
    head
      tum
ablative_absolute
  * uesperascente ** iam ** die *
  c_str
    head
      * die *
      index:i(p(11,12))
      cat:np
      sem:[time,thing,abstract]
      number:sing
      person:3
      gender:or([masc,fem])
      lex:dies
      case:abl
      c_str
        die
  participle_clause
    * uesperascente ** iam *
    cat:ppclause
    number:sing
    gender:or([masc,fem])
    lex:dies_uesperascit_it_is_getting_dark
    case:abl
    c_str
      present_participle
      dies_uesperascit_it_is_getting_dark
      adverbial_adjunct
        cat:advp
        * iam *
        lex:iam
        sem:time

```

c_str
head
iam

Comment : parse OK

% 104 Tacitus Hist I 75 1.

Insidiatores ab Othone in Germaniam, a Vitellio in urbem missi.

[0/insidiatores,1/ab,2/othone,3/in,4/germaniam,5/(',),6/a,7/uitellio,8/in,9/urbem,10/missi,endpos(11)]
cputime : 9.8125

12.96--->

[illocutionary_force:statement,vg:[selected_reading:mitto_send,polarity:pos,cat:vg,type:finite,pathlist:[p(10,11)],hp:
[p(10,11)],lex:mittere,person:3,mood:indicative,tense:perfect,voice:pass,number:pl,gender:masc,w:5],arglist:[subject:
[source:context_retrievable,number:pl,gender:_13172,person:3,cat:np,index:i(0,0),constraints_to_be_met:
[case:nom],distance:[0],pathlist:[],case:nom,w:-1],agent:[pathlist:[p(6,7),p(7,8)],hp:[p(7,8)],distance:
[0],index:i(p(7,8)),case:abl,prep:ab,sem:[male],lex:uitellius,w:1,type:core,cat:pp,c_str:[prep:ab,head:[pathlist:[p(7,8)],hp:
[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[male],class:proper,lex:uitellius,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:uitellius]]],prep_cpl
t:[pathlist:[p(8,9),p(9,10)],hp:[p(9,10)],distance:[0],index:i(p(9,10)),case:acc,prep:in,sem:
[hum,thing,loc],lex:urbs,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:
[0],cat:np,sem:
[hum,thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:urbs,txt:urbem,case:ac
c,w:1,c_str:urbem]]],linker:comma,arglist:[subject:[number:pl,gender:masc,pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,person:3,type:core,lex:insidiator,txt:insidiatores,case:nom,w:1,c_str:insidiatores],
agent:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:abl,prep:ab,sem:
[male],lex:otho,w:1,type:core,cat:pp,c_str:[prep:ab,head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[male],class:proper,lex:otho,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:otho]]],prep_cpl
t:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],distance:[0],index:i(p(4,5)),case:acc,prep:in,sem:
[loc,thing],lex:germania,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:
[0],cat:np,sem:
[loc,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:germania,txt:germaniam,cas
e:acc,w:1,c_str:germaniam]]]]]

illocutionary_force:statement
vg
selected_reading:mitto_send
polarity:pos
cat:vg
* missi *
lex:mittere
person:3
mood:indicative
tense:perfect
voice:pass
number:pl
gender:masc
arglist
subject
source:context_retrievable
number:pl
person:3
cat:np
index:i(0,0)
constraints_to_be_met:[case:nom]
case:nom
agent
* a * * uitellio *
index:i(p(7,8))
case:abl
prep:ab
sem:[male]
lex:uitellius
cat:pp

```

c_str
  prep:ab
  head
    * uitellio *
    index:i(p(7,8))
    cat:np
    sem:[male]
    lex:uitellius
    number:sing
    person:3
    gender:masc
    case:abl
    c_str
    uitellius
prep_cplt
  * in * * urbem *
  index:i(p(9,10))
  case:acc
  prep:in
  sem:[hum,thing,loc]
  lex:urbs
  cat:pp
  c_str
    prep:in
    head
      * urbem *
      index:i(p(9,10))
      cat:np
      sem:[hum,thing,loc]
      number:sing
      person:3
      gender:fem
      lex:urbs
      case:acc
      c_str
      urbem
linker
comma
arglist
  subject
    number:pl
    gender:masc
    * insidiatores *
    index:i(p(0,1))
    cat:np
    sem:[hum]
    person:3
    lex:insidiator
    case:nom
    c_str
    insidiatores
  agent
    * ab * * othone *
    index:i(p(2,3))
    case:abl
    prep:ab
    sem:[male]
    lex:otho
    cat:pp
    c_str
      prep:ab
      head
        * othone *
        index:i(p(2,3))

```

```
cat:np
sem:[male]
lex:otho
number:sing
person:3
gender:masc
case:abl
c_str
otho
prep_cplt
* in * germaniam *
index:i(p(4,5))
case:acc
prep:in
sem:[loc,thing]
lex:germania
cat:pp
c_str
prep:in
head
* germaniam *
index:i(p(4,5))
cat:np
sem:[loc,thing]
number:sing
person:3
gender:fem
lex:germania
case:acc
c_str
germaniam
```

Comment : parse OK

Aegyptum copiasque quibus coerceretur equites Romani obtinent loco regum.

[0/aegyptum,1/que,2/copias,3/quibus,4/coerceretur,5/equites,6/romani,7/obtinent,8/loco,9/regum,endpos(10)]
cputime : 29.0625

3.9800000000000004--->

[illocutionary_force:statement,vg:[selected_reading:obtinere_maintain,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_29994,w:0,pos:v,class:tr_cod,type:finite,lex:obtinere,voice:act,txt:obtinere,tense:present,kind:std,mood:indica
tive,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(5,6),p(6,7)],hp:[p(5,6)],index:i(p(5,6)),distance:
[0],cat:np,class:common,sem:[hum],person:3,type:core,lex:eques,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(5,6)],pos:noun,txt:equites,lex:eques,case:nom,gender:masc,class:common,ab:mm,number:pl,sem:[hum]],adjp:
[cat:adjp,pathlist:[p(6,7)],distance:[0],hp:
[p(6,7)],case:nom,number:pl,gender:masc,lex:romanus,type:std,w:1,c_str:romanus]]],object:[pathlist:
[p(0,1),p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(0,1)],index:i([p(0,1),p(2,3)]),distance:[1],sem:
[country,thing],class:common,lex:aegyptus,lextype:full,type:core,number:pl,person:3,gender:fem,case:acc,w:2,coord:yes,c_str:
[head:[pathlist:[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[country,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:aegyptus,txt:aegyptum,
case:acc,w:1,c_str:aegyptum],coord:que,head:[pathlist:[p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(2,3)),number:pl,gender:fem,sem:
[hum],person:_31492,case:acc,lex:copias,w:1,c_str:[head:copias,rel_clause:[pathlist:[p(3,4),p(4,5)],distance:[0],gap:[gap:
[type:np,index:i(p(2,3)),function:adjunct,adjunct:[e:i(p(2,3))],constraints:
[case:abl]]],index:i(p(2,3)),number:pl,gender:or([masc,fem,neuter]),case:abl,person:3,reltype:restrictive,type:finite,mood:subju
nctive,tense:imperfect,constraints:[case:abl],w:0,c_str:[illocutionary_force:statement,vg:
[selected_reading:coerceo_constrain,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_31994,w:0,pos:v,class:tr_cod,type:finite,lex:coercere,voice:pass,txt:coerceretur,tense:imperfect,kind:std,mood
:subjunctive,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_32186,person:3,cat:np,index:i(0,0),constraints_to_be_met:
[case:nom],distance:[0],pathlist:[],case:nom,w:-1],adjunct:[e:i(p(2,3))]]],adjunct:[pathlist:[p(8,9),p(9,10)],distance:
[0],class:adjunct,value:place,type:full,w:0,c_str:[head:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[loc,abstract,thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:locus,txt:loco,case:
abl,w:1,c_str:loco],noun_cpl:[pathlist:[p(9,10)],hp:[p(9,10)],index:i(p(9,10)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:rex,txt:regum,case:gen,w:1,c_str:r
egum]]]]]

```
illocutionary_force:statement
vg
  selected_reading:obtinere_maintain
  polarity:pos
  cat:vg
  * obtinent *
  pos:v
  lex:obtinere
  voice:act
  tense:present
  mood:indicative
  number:pl
  person:3
subject
  number:pl
  gender:masc
  * equites * * romani *
  index:i(p(5,6))
  cat:np
  sem:[hum]
  person:3
  lex:eques
  case:nom
  c_str
    head
      * equites *
```

```

pos:noun
lex:eques
case:nom
gender:masc
number:pl
sem:[hum]
adjp
  cat:adjp
  * romani *
  case:nom
  number:pl
  gender:masc
  lex:romanus
  c_str
  romanus
object
  * aegyptum * * que * * copias * * quibus * * coerceretur *
  index:i([p(0,1),p(2,3)])
  sem:[country,thing]
  lex:aegyptus
  number:pl
  person:3
  gender:fem
  case:acc
  coord:yes
  c_str
  head
    * aegyptum *
    index:i(p(0,1))
    cat:np
    sem:[country,thing]
    number:sing
    person:3
    gender:fem
    lex:aegyptus
    case:acc
    c_str
    aegyptum
  coord:que
  head
    * copias * * quibus * * coerceretur *
    cat:np
    index:i(p(2,3))
    number:pl
    gender:fem
    sem:[hum]
    case:acc
    lex:copiae
    c_str
    head
      copias
    rel_clause
      * quibus * * coerceretur *
      index:i(p(2,3))
      number:pl
      gender:or([masc,fem,neuter])
      case:abl
      person:3
      reltype:restrictive
      mood:subjunctive
      tense:imperfect
      c_str
      illocutionary_force:statement
      vg

```

```

        selected_reading:coerceo_constrain
        polarity:pos
        cat:vg
        * coerceretur *
        pos:v
        lex:coercere
        voice:pass
        tense:imperfect
        mood:subjunctive
        number:sing
        person:3
    subject
        source:context_retrievable
        number:sing
        person:3
        cat:np
        index:i(0,0)
        constraints_to_be_met:[case:nom]
        case:nom
    adjunct
        e:i(p(2,3))
adjunct
    * loco ** regum *
    value:place
    c_str
        head
            * loco *
            index:i(p(8,9))
            cat:np
            sem:[loc,abstract,thing]
            number:sing
            person:3
            gender:masc
            lex:locus
            case:abl
            c_str
                loco
        noun_cplt
            * regum *
            index:i(p(9,10))
            cat:np
            sem:[hum]
            number:pl
            person:3
            gender:masc
            lex:rex
            case:gen
            c_str
                regum

```

Comment : parse OK

% 106 Martialis Epigr Lib I 3 1-2.

Argiletanas mauis habitare tabernas cum tibi, parue liber, scrinia nostra vacent.

[0/argiletanas,1/mauis,2/habitare,3/tabernas,4/cum,5/tibi,6/(!),7/parue,8/liber,9/(!),10/scrinia,11/nostra,12/uacent,endpos(13)]
cputime : 7.265625

33.95--->

[clause_semantics:modality_laden_time_clause,subordinator:
[lex:cum,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[cum,[illocutionary_force:statement,vg:
[selected_reading:uaco_be_available,polarity:pos,cat:vg,pathlist:[p(12,13)],hp:
[p(12,13)],gender:_15874,w:0,pos:v,class:intr,type:finite,lex:uacare,voice:act,txt:uacent,tense:present,kind:std,mood:subjunctiv
e,number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(10,11),p(11,12)],hp:[p(10,11)],index:i(p(10,11)),distance:
[0],cat:np,class:common,sem:[thing,loc],person:3,type:core,lex:scrinium,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(10,11)],pos:noun,txt:scrinia,lex:scrinium,case:nom,gender:neuter,class:common,ab:loc,number:pl,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(11,12)],distance:[0],hp:
[p(11,12)],case:nom,number:pl,gender:neuter,lex:noster,type:poss,w:1,c_str:noster]]],arg:[pathlist:[p(5,6)],hp:
[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp2sg],address:
[pathlist:[p(6,7),p(7,8),p(8,9),p(9,10)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:address,sem:
[thing,abstract],class:common,lex:liber,lextype:full,number:sing,person:2,gender:masc,type:core,case:voc,w:90,c_str:[address:
[head:[pathlist:[p(8,9)],pos:noun,txt:liber,lex:liber,case:nom,gender:masc,class:common,ab:no,number:sing,sem:
[thing,abstract]],adjp:[cat:adjp,pathlist:[p(7,8)],distance:[0],hp:
[p(7,8)],case:voc,number:sing,gender:masc,lex:paruus,type:std,w:1,c_str:paruus]]]]],main_clause:
[illocutionary_force:statement,vg:
[selected_reading:habito_live_in,polarity:pos,cat:vg,aux:malle,value:preference,type:finite,pathlist:[p(1,2),p(2,3)],hp:
[p(2,3)],lex:habitare,person:2,mood:indicative,tense:present,voice:act,number:sing,gender:_17720,w:3],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:
[],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[2],cat:np,class:common,sem:[thing,loc],number:pl,person:3,gender:fem,type:core,lex:taberna,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(3,4)],pos:noun,txt:tabernas,lex:taberna,case:acc,gender:fem,class:common,ab:no,number:pl,sem:
[thing,loc]],adjp:[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:
[p(0,1)],case:acc,number:pl,gender:fem,lex:argiletanus,type:std,w:1,c_str:argiletanus]]]]]

clause_semantics:modality_laden_time_clause
subordinator
lex:cum
pos:sub
mood:subjunctive
subordinate_clause
cum
illocutionary_force:statement
vg
selected_reading:uaco_be_available
polarity:pos
cat:vg
* uacent *
pos:v
lex:uacare
voice:act
tense:present
mood:subjunctive
number:pl
person:3
subject
number:pl
gender:neuter
* scrinia * * nostra *
index:i(p(10,11))
cat:np
sem:[thing,loc]
person:3

```

lex:scrinium
case:nom
c_str
  head
    * scrinia *
    pos:noun
    lex:scrinium
    case:nom
    gender:neuter
    number:pl
    sem:[thing,loc]
  adjp
    cat:adjp
    * nostra *
    case:nom
    number:pl
    gender:neuter
    lex:noster
    c_str
    noster
arg
  * tibi *
  index:i(p(5,6))
  cat:np
  sem:[hum]
  lex:pp2sg
  number:sing
  person:2
  gender:or([masc,fem])
  case:dat
  c_str
  pp2sg
address
  * , ** parue ** liber ** , *
  index:i(p(8,9))
  cat:address
  sem:[thing,abstract]
  lex:liber
  number:sing
  person:2
  gender:masc
  case:voc
  c_str
  address
    head
      * liber *
      pos:noun
      lex:liber
      case:nom
      gender:masc
      number:sing
      sem:[thing,abstract]
    adjp
      cat:adjp
      * parue *
      case:voc
      number:sing
      gender:masc
      lex:paruus
      c_str
      paruus
main_clause
  illocutionary_force:statement
  vg

```



```

selected_reading:habito_live_in
polarity:pos
cat:vg
aux:malle
value:preference
* mauis * * habitare *
lex:habitare
person:2
mood:indicative
tense:present
voice:act
number:sing
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  case:nom
object
  * argiletanas * * tabernas *
  index:i(p(3,4))
  cat:np
  sem:[thing,loc]
  number:pl
  person:3
  gender:fem
  lex:taberna
  case:acc
  c_str
    head
      * tabernas *
      pos:noun
      lex:taberna
      case:acc
      gender:fem
      number:pl
      sem:[thing,loc]
    adjp
      cat:adjp
      * argiletanas *
      case:acc
      number:pl
      gender:fem
      lex:argiletanus
      c_str
        argiletanus

```

Comment : parse OK

Quod quaeris propius petas licebit.

```
[0/quod,1/quaeris,2/propius,3/petas,4/licebit,endpos(5)]
cputime : 0.75
```

3--->

[illocutionary_force:statement,vg:[selected_reading:licet_permission_is_given_to,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_6954,w:0,pos:v,class:vimp,type:finitellex:licetvoice:acttxt:licebit,tense:future,kind:std,mood:indicative,numb
er:_7086,person:_7098],arg:[cat:pred,type:finitelpathlist:[p(0,1),p(1,2),p(2,3),p(3,4)],distance:
[0],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pol
arity:pos,argbound:no,gap:[],w:2,add:no,flagint:_7380,c_str:[illocutionary_force:statement,vg:
[selected_reading:peto_try_to_reach_or_get,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_7506,w:0,pos:v,class:tr_cod,type:finitellex:peterevoice:acttxt:petas,tense:present,kind:std,mood:subjunctive,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:npiindex:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(1,2),p(2,3)],hp:[],distance:
[0],cat:npi,type:full,class:common,index:dummy_np,number:sing,gender:neuter,sem:_7996,person:3,case:or([nom,acc,datt]),lex
:dummy_np,w:1,c_str:[head:[lex:dummy_np,number:sing,gender:neuter,person:3,index:_8150,constraints_to_be_met:
[case:acc]],rel_clause:[pathlist:[p(0,1),p(1,2),p(2,3)],distance:[0],gap:[gap:[type:npiindex:dummy_np,function:object,object:
[e:dummy_np]],constraints:
[case:acc]]],index:dummy_np,number:sing,gender:neuter,case:acc,person:_8372,reltype:restrictive,type:finitel mood:indicative,
tense:present,constraints:[case:acc],w:1,c_str:[illocutionary_force:statement,vg:
[selected_reading:quaero_seek,polarity:pos,cat:vg,pathlist:[p(1,2)],hp:
[p(1,2)],gender:_8570,w:0,pos:v,class:tr_cod,type:finitellex:quaererevoice:acttxt:quaeris,tense:present,kind:std,mood:indicati
ve,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:npiindex:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[e:dummy_np],adverbial_adjunct:[cat:advp,pathlist:[p(2,3)],distance:
[0],type:vpbound,llex:propius,sem:or([discourse,duration,eval,manner,manner_means,place,reason,time,when]),w:1,c_str:
[head:propius]]]]]]]]]

illocutionary_force:statement
vg
selected_reading:licet_permission_is_given_to
polarity:pos
cat:vg
* licebit *
pos:v
lex:licet
voice:act
tense:future
mood:indicative
arg
cat:pred
* quod ** quaeris ** propius ** petas *
illocutionary_force:statement
number:sing
person:3
vgperson:2
gender:neuter
mood:subjunctive
tense:present
polarity:pos
add:no
c_str
illocutionary_force:statement
vg
selected_reading:peto_try_to_reach_or_get
polarity:pos
cat:vg

```

* petas *
pos:v
lex:petere
voice:act
tense:present
mood:subjunctive
number:sing
person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * quod * * quaeris * * propius *
  cat:np
  index:dummy_np
  number:sing
  gender:neuter
  person:3
  case:or([nom,acc,dat])
  lex:dummy_np
  c_str
    head
      lex:dummy_np
      number:sing
      gender:neuter
      person:3
      constraints_to_be_met:[case:acc]
    rel_clause
      * quod * * quaeris * * propius *
      index:dummy_np
      number:sing
      gender:neuter
      case:acc
      reltype:restrictive
      mood:indicative
      tense:present
      c_str
        illocutionary_force:statement
        vg
          selected_reading:quaero_seek
          polarity:pos
          cat:vg
          * quaeris *
          pos:v
          lex:quaerere
          voice:act
          tense:present
          mood:indicative
          number:sing
          person:2
        subject
          source:context_retrievable
          number:sing
          gender:or([masc,fem])
          person:2
          cat:np
          index:i(0,0)
          constraints_to_be_met:[sem:[hum]]

```

case:nom
object
e:dummy_np
adverbial_adjunct
cat:advp
* propius *
lex:propius
sem:or([discourse,duration,eval,manner,manner_means,place,reason,time,when])
c_str
head
propius

Comment : wrong attachment of 'propius' (should be attached to 'petas', not 'quaeris')

% 108 Propertius El III 25 17.

Has tibi fatalis cecinit mea pagina diras.

[0/has,1/tibi,2/fatalis,3/cecinit,4/mea,5/pagina,6/diras,endpos(7)]
cputime : 0.671875

4--->

[illocutionary_force:statement,vg:[selected_reading:cano_sing,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_9048,w:0,pos:v,class:tr_cod,type:finite,lex:canere,voice:act,txt:cecinit,tense:perfect,kind:std,mood:indicative,n
umber:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(4,5),p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[0],cat:np,class:common,sem:[thing,loc],person:3,type:core,lex:pagina,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(5,6)],pos:noun,txt:pagina,lex:pagina,case:nom,gender:fem,class:common,ab:no,number:sing,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:
[p(4,5)],case:nom,number:sing,gender:fem,lex:meus,type:poss,w:1,c_str:meus]]],object:[pathlist:[p(0,1),p(2,3),p(6,7)],hp:
[p(6,7)],index:i(p(6,7)),distance:[3],cat:np,class:common,sem:
[thing],number:pl,person:3,gender:fem,type:core,lex:diras,lextype:full,case:acc,w:3,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:diras,lex:diras,case:acc,gender:fem,class:common,ab:mm,number:pl,sem:[thing]],adjp:[cat:adjp,pathlist:
[p(0,1),p(2,3)],distance:[1],hp:[p(2,3)],case:acc,number:pl,gender:fem,lex:fatalis,type:std,w:2,c_str:
[hic,fatalis]]],dative_of_interest:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2sg,number:sing,person:2,gender:or([masc,fem]),type:core,case:dat,w:1,c_str:pp2sg]]

illocutionary_force:statement

vg

selected_reading:cano_sing

polarity:pos

cat:vg

* cecinit *

pos:v

lex:canere

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:fem

* mea ** pagina *

index:i(p(5,6))

cat:np

sem:[thing,loc]

person:3

lex:pagina

case:nom

c_str

head

* pagina *

pos:noun

lex:pagina

case:nom

gender:fem

number:sing

sem:[thing,loc]

adjp

cat:adjp

* mea *

case:nom

number:sing

gender:fem

lex:meus

c_str

```

      meus
object
  * has * * fatalis * * diras *
  index:i(p(6,7))
  cat:np
  sem:[thing]
  number:pl
  person:3
  gender:fem
  lex:dirae
  case:acc
  c_str
    head
      * diras *
      pos:noun
      lex:dirae
      case:acc
      gender:fem
      number:pl
      sem:[thing]
    adjp
      cat:adjp
      * has * * fatalis *
      case:acc
      number:pl
      gender:fem
      lex:fatalis
      c_str
        hic
        fatalis
  dative_of_interest
    * tibi *
    index:i(p(1,2))
    cat:np
    sem:[hum]
    lex:pp2sg
    number:sing
    person:2
    gender:or([masc,fem])
    case:dat
    c_str
      pp2sg

```

Comment : parse OK

% 109 Propertius El III 25 18.

Euentum formae disce timere tuae.

[0/euentum,1/formae,2/disce,3/timere,4/tuae,endpos(5)]
cputime : 0.3125

5--->

```
[illocutionary_force:statement,vg:[selected_reading:disco_learn,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_6936,w:0,pos:v,class:tr_cod,type:finite,lex:discere,voice:act,txt:disce,tense:present,kind:std,mood:imperative,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(0,1),p(1,2),p(3,4),p(4,5)],distance:
[2],number:_7432,gender:_7444,person:_7456,case:or([nom,acc]),sem:_7496,polarity:pos,gap:_7520,w:6,flagint:no,c_str:[vg:
[selected_reading:timeo_fear,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_7658,w:0,pos:v,class:tr_cod,type:nonfinite,lex:timere,voice:act,txt:timere,tense:present,kind:std,mood:infiniti
ve,number:_7790,person:_7802],object:[pathlist:[p(0,1),p(1,2),p(4,5)],hp:[p(0,1)],index:i(p(0,1)),distance:[2],cat:np,sem:
[thing,abstract],class:common,lextype:full,number:sing,person:3,gender:masc,type:full,lex:euentus,case:acc,w:5,c_str:[pathlist:
[p(0,1)],hp:[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:masc,type:core,lex:euentus,txt:euentum,c
ase:acc,w:1,c_str:euentum],arg:[pathlist:[p(1,2),p(4,5)],hp:[p(1,2)],index:i(p(1,2)),distance:[2],cat:np,class:common,sem:
[thing,abstract],number:sing,person:3,gender:fem,type:core,lex:forma,lextype:full,case:gen,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:formae,lex:forma,case:gen,gender:fem,class:common,ab:mm,number:sing,sem:[thing,abstract]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:gen,number:sing,gender:fem,lex:tuus,type:poss,w:1,c_str:tuus]]]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:disco_learn
  polarity:pos
  cat:vg
  * disce *
  pos:v
  lex:discere
  voice:act
  tense:present
  mood:imperative
  number:sing
  person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  cat:pred
  mood:infinitive
  tense:present
  * euentum * * formae * * timere * * tuae *
  case:or([nom,acc])
  polarity:pos
  c_str
    vg
      selected_reading:timeo_fear
      polarity:pos
      cat:vg
      * timere *
```

```

pos:v
lex:timere
voice:act
tense:present
mood:infinitive
object
  * euentum * * formae * * tuae *
  index:i(p(0,1))
  cat:np
  sem:[thing,abstract]
  number:sing
  person:3
  gender:masc
  lex:euentus
  case:acc
  c_str
    * euentum *
    index:i(p(0,1))
    cat:np
    sem:[thing,abstract]
    number:sing
    person:3
    gender:masc
    lex:euentus
    case:acc
    c_str
      euentum
  arg
    * formae * * tuae *
    index:i(p(1,2))
    cat:np
    sem:[thing,abstract]
    number:sing
    person:3
    gender:fem
    lex:forma
    case:gen
    c_str
      head
        * formae *
        pos:noun
        lex:forma
        case:gen
        gender:fem
        number:sing
        sem:[thing,abstract]
      adjp
        cat:adjp
        * tuae *
        case:gen
        number:sing
        gender:fem
        lex:tuus
        c_str
          tuus

```

Comment : parse OK

% 110 adapted from Propertius El III 20 1-2.

Credis iam tuae meminisse figurae quem uidisti a lecto dare uela tuo.

[0/credis,1/iam,2/tuae,3/meminisse,4/figurae,5/quem,6/uidisti,7/a,8/lecto,9/dare,10/uela,11/tuo,endpos(12)]
cputime : 133.0

19--->

[illocutionary_force:statement,vg:[selected_reading:credo_believe_that,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_18798,w:0,pos:v,class:tr_inf,type:finite,lex:credere,voice:act,txt:credis,tense:present,kind:std,mood:indicative,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite,mood:infinitive,tense:perfect,class:m,pathlist:
[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:
[3],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_19466,w:21,flagint:no,c_str:[vg:
[selected_reading:memini_remember,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:masc,w:0,pos:v,class:tr_cod,type:nonfinite,lex:memini,voice:act,txt:meminisse,tense:perfect,kind:std,mood:infinitive,number:sing,person:_19748],subject:[number:sing,gender:masc,pathlist:
[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],hp:[],distance:[2],cat:np,type:full,class:common,index:dummy_np,sem:
[hum],person:3,case:or([nom,acc,dat]),lex:dummy_np,w:13,c_str:[head:
[lex:dummy_np,number:sing,gender:masc,person:3,index:_20088,constraints_to_be_met:
[number:sing,gender:masc,person:3,case:acc,index:dummy_np]],rel_clause:[pathlist:
[p(5,6),p(6,7),p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:[2],gap:[gap:[type:np,index:dummy_np,function:subject,subject:
[e:dummy_np],constraints:
[number:sing,gender:masc,person:3,case:acc,index:dummy_np]]],index:dummy_np,number:sing,gender:masc,case:acc,person:
:_20358,reltype:restrictive,type:finite,mood:indicative,tense:perfect,constraints:
[number:sing,gender:masc,person:3,case:acc,index:dummy_np],w:13,c_str:[illocutionary_force:statement,vg:
[selected_reading:uideo_see,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_20556,w:0,pos:v,class:tr_cod,type:finite,lex:uidere,voice:act,txt:uidisti,tense:perfect,kind:std,mood:indicative,
number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:nonfinite,mood:infinitive,tense:present,class:m,pathlist:
[p(7,8),p(8,9),p(9,10),p(10,11),p(11,12)],distance:
[2],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:[gap:
[type:np,index:dummy_np,function:subject,subject:[e:dummy_np],constraints:
[number:sing,gender:masc,person:3,case:acc,index:dummy_np]]],w:12,flagint:no,c_str:[vg:
[selected_reading:uela_do_set_sail,polarity:pos,cat:vg,pathlist:[p(9,10)],hp:
[p(9,10)],gender:masc,w:0,pos:v,class:tr_cod_coi,type:nonfinite,lex:dare,voice:act,txt:dare,tense:present,kind:std,mood:infinitive,number:sing,person:_21404],subject:[index:dummy_np],object:[pathlist:[p(10,11)],hp:[p(10,11)],index:i(p(10,11)),distance:
[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:uelum,txt:uela,case:acc,w:1,c_str:
r:uela],prep_cp[pt:[pathlist:[p(7,8),p(8,9),p(11,12)],hp:[p(8,9)],distance:[2],index:i(p(8,9)),case:abl,prep:ab,sem:
[loc,thing],lex:lectus,w:2,type:core,cat:pp,c_str:[prep:ab,head:[pathlist:[p(8,9),p(11,12)],hp:[p(8,9)],index:i(p(8,9)),distance:
[2],cat:np,class:common,sem:[loc,thing],number:sing,person:3,gender:masc,type:core,lex:lectus,lextype:full,case:abl,w:2,c_str:
[head:[pathlist:[p(8,9)],pos:noun,txt:lecto,lex:lectus,case:abl,gender:masc,class:common,ab:no,number:sing,sem:
[loc,thing]],adjp:[cat:adjp,pathlist:[p(11,12)],distance:[0],hp:
[p(11,12)],case:abl,number:sing,gender:masc,lex:tuus,type:poss,w:1,c_str:tuus]]]]]]]]],object:[pathlist:[p(2,3),p(4,5)],hp:
[p(4,5)],index:i(p(4,5)),distance:[1],cat:np,class:common,sem:
[thing],number:sing,person:3,gender:fem,type:core,lex:figura,lextype:full,case:gen,w:2,c_str:[head:[pathlist:
[p(4,5)],pos:noun,txt:figurae,lex:figura,case:gen,gender:fem,class:common,ab:no,number:sing,sem:[thing]],adjp:
[cat:adjp,pathlist:[p(2,3)],distance:[0],hp:
[p(2,3)],case:gen,number:sing,gender:fem,lex:tuus,type:poss,w:1,c_str:tuus]]],adverbial_adjunct:[cat:advp,pathlist:
[p(1,2)],distance:[0],type:vpbound,lex:iam,sem:time,w:1,c_str:[head:iam]]]]]]

illocutionary_force:statement

vg

selected_reading:credo_believe_that

polarity:pos

cat:vg

* credis *

pos:v

lex:credere

```

voice:act
tense:present
mood:indicative
number:sing
person:2
subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  cat:pred
  mood:infinitive
  tense:perfect
  * iam ** tuae ** meminisse ** figurae ** quem ** uidisti ** a ** lecto ** dare ** uela ** tuo *
  number:sing
  gender:neuter
  case:or([nom,acc])
  person:3
  polarity:pos
  c_str
    vg
      selected_reading:memini_remember
      polarity:pos
      cat:vg
      * meminisse *
      gender:masc
      pos:v
      lex:memini
      voice:act
      tense:perfect
      mood:infinitive
      number:sing
    subject
      number:sing
      gender:masc
      * quem ** uidisti ** a ** lecto ** dare ** uela ** tuo *
      cat:np
      index:dummy_np
      sem:[hum]
      person:3
      case:or([nom,acc,dat])
      lex:dummy_np
      c_str
        head
          lex:dummy_np
          number:sing
          gender:masc
          person:3
          constraints_to_be_met:[number:sing,gender:masc,person:3,case:acc,index:dummy_np]
        rel_clause
          * quem ** uidisti ** a ** lecto ** dare ** uela ** tuo *
          index:dummy_np
          number:sing
          gender:masc
          case:acc
          reltype:restrictive
          mood:indicative
          tense:perfect
          c_str

```

illocutionary_force:statement
 vg
 selected_reading:uideo_see
 polarity:pos
 cat:vg
 * uidisti *
 pos:v
 lex:uidere
 voice:act
 tense:perfect
 mood:indicative
 number:sing
 person:2
 subject
 source:context_retrievable
 number:sing
 gender:or([masc,fem])
 person:2
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
 object
 cat:pred
 mood:infinitive
 tense:present
 * a * * lecto * * dare * * uela * * tuo *
 number:sing
 gender:neuter
 case:or([nom,acc])
 person:3
 polarity:pos
 c_str
 vg
 selected_reading:uela_do_set_sail
 polarity:pos
 cat:vg
 * dare *
 gender:masc
 pos:v
 lex:dare
 voice:act
 tense:present
 mood:infinitive
 number:sing
 subject
 index:dummy_np
 object
 * uela *
 index:i(p(10,11))
 cat:np
 sem:[thing]
 number:pl
 person:3
 gender:neuter
 lex:uelum
 case:acc
 c_str
 uela
 prep_cplt
 * a * * lecto * * tuo *
 index:i(p(8,9))
 case:abl
 prep:ab

```

sem:[loc,thing]
lex:lectus
cat:pp
c_str
  prep:ab
  head
    * lecto * * tuo *
    index:i(p(8,9))
    cat:np
    sem:[loc,thing]
    number:sing
    person:3
    gender:masc
    lex:lectus
    case:abl
    c_str
      head
        * lecto *
        pos:noun
        lex:lectus
        case:abl
        gender:masc
        number:sing
        sem:[loc,thing]
      adjp
        cat:adjp
        * tuo *
        case:abl
        number:sing
        gender:masc
        lex:tuus
        c_str
          tuus
object
  * tuae * * figurae *
  index:i(p(4,5))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:fem
  lex:figura
  case:gen
  c_str
    head
      * figurae *
      pos:noun
      lex:figura
      case:gen
      gender:fem
      number:sing
      sem:[thing]
    adjp
      cat:adjp
      * tuae *
      case:gen
      number:sing
      gender:fem
      lex:tuus
      c_str
        tuus
adverbial_adjunct
  cat:advp
  * iam *

```

lex:iam
sem:time
c_str
 head
 iam

Comment : parse OK

% 111 Tacitus Hist IV 1 1.

Interfecto Vitellio bellum magis desierat quam pax coeperat.

[0/interfecto,1/uitellio,2/bellum,3/desierat,4/magis_quam,5/pax,6/coeperat,endpos(7)]
cputime : 0.625

5--->

[clause_semantics:_13104,subordinator:
[lex:magis_quam,pos:sub,argbound:no,mood:indicative,value:comparison],subordinate_clause:[magis_quam,
[illocutionary_force:statement,vg:[selected_reading:coepi_begin,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_13320,w:0,pos:v,class:tr_cod,type:finite,lex:coepi,voice:act,txt:coeperat,tense:pluperfect,kind:std,mood:indica
tive,number:sing,person:3],subject:[number:sing,gender:fem,pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,person:3,type:core,lex:pax,txt:pax,case:nom,w:1,c_str:pax]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:desino_stop,polarity:pos,cat:vg,pathlist:[p(3,4)],hp:
[p(3,4)],gender:_13870,w:0,pos:v,class:tr_cod,type:finite,lex:desinere,voice:act,txt:desierat,tense:pluperfect,kind:std,mood:indi
cative,number:sing,person:3],subject:
[source:context_retrievable,number:sing,gender:_14062,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[thing],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:bellum,txt:bellum,case:acc,w:
1,c_str:bellum],ablative_absolute:[pathlist:[p(0,1),p(1,2)],distance:[0],w:0,c_str:[lex:interficio_kill,
[pos:p_p,txt:interfecto,case:abl,gender:masc,number:sing,lex:interficere,class:tr_cod,type:p_p,kind:std,mood:participle,person
:3],[],object:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[male],class:proper,lex:uitellius,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:uitellius]]]]]

subordinator
lex:magis_quam
pos:sub
mood:indicative
value:comparison
subordinate_clause
magis_quam
illocutionary_force:statement
vg
selected_reading:coepi_begin
polarity:pos
cat:vg
* coeperat *
pos:v
lex:coepi
voice:act
tense:pluperfect
mood:indicative
number:sing
person:3
subject
number:sing
gender:fem
* pax *
index:i(p(5,6))
cat:np
sem:[quality]
person:3
lex:pax
case:nom
c_str
pax
main_clause
illocutionary_force:statement
vg
selected_reading:desino_stop
polarity:pos

```

cat:vg
* desierat *
pos:v
lex:desinere
voice:act
tense:pluperfect
mood:indicative
number:sing
person:3
subject
  source:context_retrievable
  number:sing
  person:3
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * bellum *
  index:i(p(2,3))
  cat:np
  sem:[thing]
  number:sing
  person:3
  gender:neuter
  lex:bellum
  case:acc
  c_str
  bellum
ablative_absolute
  * interfecto * * uitellio *
  c_str
    lex:interficio_kill
    pos:p_p
    case:abl
    gender:masc
    number:sing
    lex:interficere
    mood:participle
    person:3
  object
    * uitellio *
    index:i(p(1,2))
    cat:np
    sem:[male]
    lex:uitellius
    number:sing
    person:3
    gender:masc
    case:abl
    c_str
    uitellius

```

Comment : parse OK

% 112 Tacitus Ann 13 21 20.

Vivere ego Britannico potiente rerum poteram?

[0/uiuere,1/ego,2/britannico,3/potiente,4/rerum,5/poteram,endpos(6)]
cputime : 0.078125

6--->

```
[illocutionary_force:statement,vg:
[selected_reading:uiuo_live,polarity:pos,cat:vg,aux:posse,value:possibility_capacity,type:finite,pathlist:[p(5,6),p(0,1)],hp:
[p(0,1)],lex:uiuere,person:1,mood:indicative,tense:imperfect,voice:act,number:sing,gender:_10114,w:3],subject:
[number:sing,gender:or([masc,fem]),pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,sem:
[hum],class:proper,lex:pp1sg,person:1,type:core,case:nom,w:1,c_str:pp1sg],ablative_absolute:[pathlist:
[p(2,3),p(3,4),p(4,5)],distance:[[0]],w:8,c_str:[head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[male],class:proper,lex:britannicus,lextype:full,number:sing,person:3,gender:masc,type:core,case:abl,w:1,c_str:britannicus],par
ticipule_clause:[pathlist:[p(3,4),p(4,5)],hp:[p(3,4)],distance:
[0],cat:ppclause,w:4,type:pprcentered,number:sing,gender:masc,lex:potior_take_possession_of,case:abl,c_str:
[present_participle,potior_take_possession_of,[object_i:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:res,txt:rerum,case:gen,w:
1,c_str:rerum]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:uiuo_live
  polarity:pos
  cat:vg
  aux:posse
  value:possibility_capacity
  * poteram * * uiuere *
  lex:uiuere
  person:1
  mood:indicative
  tense:imperfect
  voice:act
  number:sing
subject
  number:sing
  gender:or([masc,fem])
  * ego *
  index:i(p(1,2))
  cat:np
  sem:[hum]
  lex:pp1sg
  person:1
  case:nom
  c_str
  pp1sg
ablative_absolute
  * britannico * * potiente * * rerum *
  c_str
  head
    * britannico *
    index:i(p(2,3))
    cat:np
    sem:[male]
    lex:britannicus
    number:sing
    person:3
    gender:masc
    case:abl
    c_str
    britannicus
  participule_clause
```



```
* potiente * * rerum *  
cat:ppclause  
number:sing  
gender:masc  
lex:potior_take_possession_of  
case:abl  
c_str  
  present_participle  
  potior_take_possession_of  
  object_i  
    * rerum *  
    index:i(p(4,5))  
    cat:np  
    sem:[thing,abstract]  
    number:pl  
    person:3  
    gender:fem  
    lex:res  
    case:gen  
    c_str  
    rerum
```

Comment : parse OK

% 113 Tacitus Hist I 75 1.

Ita promissis simul ac minis tentabantur.

[0/ita,1/promissis,2/simul,3/ac,4/minis,5/tentabantur,endpos(6)]
cputime : 0.15625

-1--->

[illocutionary_force:statement,vg:[selected_reading:tento_tempt,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_7804,w:0,pos:v,class:tr_cod,type:finite,lex:tentare,voice:pass,txt:tentabantur,tense:imperfect,kind:std,mood:in
dicative,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_7996,person:3,cat:np,index:i(0,0),constraints_to_be_met:[case:nom],distance:
[0],pathlist:[],case:nom,w:-1],adjunct:[pathlist:[p(1,2),p(2,4),p(4,5)],distance:
[0],class:adjunct,value:manner_means,type:core,w:0,c_str:[head:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2))],distance:
[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:promissum,txt:promissis,cas
e:abl,w:1,c_str:promissis],coord:simul_ac,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5))],distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:fem,type:core,lex:minae,txt:minis,case:abl,
w:1,c_str:minis]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,1)],distance:[0],type:clausal,lex:ita,sem:discourse,w:1,c_str:
[head:ita]]]

illocutionary_force:statement
vg
 selected_reading:tento_tempt
 polarity:pos
 cat:vg
 * tentabantur *
 pos:v
 lex:tentare
 voice:pass
 tense:imperfect
 mood:indicative
 number:pl
 person:3
subject
 source:context_retrievable
 number:pl
 person:3
 cat:np
 index:i(0,0)
 constraints_to_be_met:[case:nom]
 case:nom
adjunct
 * promissis * * simul * ac * * minis *
 value:manner_means
 c_str
 head
 * promissis *
 index:i(p(1,2))
 cat:np
 sem:[abstract]
 number:pl
 person:3
 gender:neuter
 lex:promissum
 case:abl
 c_str
 promissis
 coord:simul_ac
 head
 * minis *
 index:i(p(4,5))
 cat:np

sem:[thing,abstract]
number:pl
person:3
gender:fem
lex:minae
case:abl
c_str
minis
adverbial_adjunct
cat:advp
* ita *
lex:ita
sem:discourse
c_str
head
ita

Comment : parse OK

Civilis dolo grassandum ratus incusavit ultro praefectos quod castella deseruissent.

[0/ciuilis,1/dolo,2/grassandum,3/ratus,4/incusavit,5/ultro,6/praelectos,7/quod,8/castella,9/deseruissent,endpos(10)]
cputime : 33.96875

Parse A

14.97--->

[illocutionary_force:statement,vg:[selected_reading:incuso_accuse,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_18278,w:0,pos:v,class:tr_cod,type:finite,lex:incusare,voice:act,txt:incusavit,tense:perfect,kind:std,mood:indicative,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1),p(1,2),p(2,3),p(3,4)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,class:pc2np,sem:
[male],person:3,type:core,lex:ciuilis,lextype:full,case:nom,w:3,type_pp:depppcentered,c_str:[head:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[male],class:proper,lex:ciuilis,lextype:full,number:sing,person:3,gender:masc,type:core,case:nom,w:1,c_str:ciuilis],participle_clause:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(3,4)],distance:
[0],cat:ppclause,w:1,type:depppcentered,number:sing,gender:masc,lex:reor_think_it_appropriate_to,case:nom,c_str:
[deponent_p_p,reor_think_it_appropriate_to],[object:
[cat:pred,type:gerund,case:_19176,mood:gerund,local_case:acc,class:m,number:sing,person:3,gender:neuter,pathlist:
[p(2,3)],distance:[0],gap:[],w:0,c_str:[vg:
[selected_reading:grassor_attack,pos:v,class:tr_cod,type:gerund,lex:grassari,txt:grassandum,kind:std,mood:gerund,person:3,case:acc]],adjunct:[pathlist:[p(1,2)],distance:[0],class:adjunct,value:manner_means,type:core,w:0,c_str:dolo]]]],object:[pathlist:
[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:praefectus,txt:praefectos,case:acc,w:1,c_str:praefectos],arg:[cat:pred,type:finite,pathlist:[p(7,8),p(8,9),p(9,10)],distance:[0],gap:
[],class:m,number:_19972,person:_19984,gender:_19996,case:_20008,mood:subjunctive,tense:pluperfect,w:8,subordinator:quod,argbound:yes,c_str:[quod,[illocutionary_force:statement,vg:[selected_reading:desero_abandon,polarity:pos,cat:vg,pathlist:
[p(9,10)],hp:
[p(9,10)],gender:_20206,w:0,pos:v,class:tr_cod,type:finite,lex:deserere,voice:act,txt:deseruissent,tense:pluperfect,kind:std,mood:subjunctive,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_20398,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:castellum,txt:castella,case:acc,w:1,c_str:castella]]],adverbial_adjunct:[cat:advp,pathlist:[p(5,6)],distance:
[0],type:vpbound,lex:ultro,sem:manner_means,w:1,c_str:[head:ultro]]]

```
illocutionary_force:statement
vg
  selected_reading:incuso_accuse
  polarity:pos
  cat:vg
  * incusavit *
  pos:v
  lex:incusare
  voice:act
  tense:perfect
  mood:indicative
  number:sing
  person:3
subject
  number:sing
  gender:masc
  * ciuilis * * dolo * * grassandum * * ratus *
  index:i(p(0,1))
  cat:np
  sem:[male]
  person:3
  lex:ciuilis
  case:nom
  c_str
```

```

head
  * ciuilis *
  index:i(p(0,1))
  cat:np
  sem:[male]
  lex:ciuilis
  number:sing
  person:3
  gender:masc
  case:nom
  c_str
  ciuilis
participle_clause
  * dolo * * grassandum * * ratus *
  cat:ppclause
  number:sing
  gender:masc
  lex:reor_think_it_appropriate_to
  case:nom
  c_str
  deponent_p_p
  reor_think_it_appropriate_to
  object
    cat:pred
    mood:gerund
    local_case:acc
    number:sing
    person:3
    gender:neuter
    * grassandum *
    c_str
    vg
    selected_reading:grassor_attack
    pos:v
    lex:grassari
    mood:gerund
    person:3
    case:acc
  adjunct
    * dolo *
    value:manner_means
    c_str
    dolo
object
  * praefectos *
  index:i(p(6,7))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:praefectus
  case:acc
  c_str
  praefectos
arg
  cat:pred
  * quod * * castella * * deservissent *
  mood:subjunctive
  tense:pluperfect
  subordinator
  quod
  c_str
  quod

```

```

illocutionary_force:statement
vg
  selected_reading:desero_abandon
  polarity:pos
  cat:vg
  * deseruissent *
  pos:v
  lex:deserere
  voice:act
  tense:pluperfect
  mood:subjunctive
  number:pl
  person:3
subject
  source:context_retrievable
  number:pl
  person:3
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * castella *
  index:i(p(8,9))
  cat:np
  sem:[thing,loc]
  number:pl
  person:3
  gender:neuter
  lex:castellum
  case:acc
  c_str
  castella
adverbial_adjunct
  cat:advp
  * ultro *
  lex:ultro
  sem:manner_means
  c_str
  head
  ultro

```

Comment : parse OK. Parse B looks identical to me, although clearly there is a difference in the pathlist associated with the gerund

[cat:pred,type:gerund,case:_19176,mood:gerund,local_case:acc,class:m,number:sing,person:3,gender:neuter,pathlist:[p(2,3)],

in Parse A

vs

[cat:pred,type:gerund,case:_27594,mood:gerund,local_case:acc,class:m,number:sing,person:3,gender:neuter,pathlist:
[p(1,2),p(2,3)]]

in Parse B

Parse B

14.97--->

[illocutionary_force:statement,vg:[selected_reading:incuso_accuse,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_26696,w:0,pos:v,class:tr_cod,type:finite,lex:incusare,voice:act,txt:incusauit,tense:perfect,kind:std,mood:indica
tive,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(0,1),p(1,2),p(2,3),p(3,4)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,class:pc2np,sem:
[male],person:3,type:core,lex:ciuilis,lextype:full,case:nom,w:3,type_pp:depppcentered,c_str:[head:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[male],class:proper,lex:ciuilis,lextype:full,number:sing,person:3,gender:masc,type:core,case:nom,w:1,c_str:ciuilis],participle_cl
ause:[pathlist:[p(1,2),p(2,3),p(3,4)],hp:[p(3,4)],distance:
[0],cat:ppclause,w:1,type:depppcentered,number:sing,gender:masc,lex:reor_think_it_appropriate_to,case:nom,c_str:
[deponent_p_p,reor_think_it_appropriate_to],[object:
[cat:pred,type:gerund,case:_27594,mood:gerund,local_case:acc,class:m,number:sing,person:3,gender:neuter,pathlist:
[p(1,2),p(2,3)],distance:[0],gap:[],w:0,c_str:[vg:
[selected_reading:grassor_attack,pos:v,class:tr_cod,type:gerund,lex:grassari,txt:grassandum,kind:std,mood:gerund,person:3,ca
se:acc],adjunct:[pathlist:[p(1,2)],distance:[0],class:adjunct,value:manner_means,type:core,w:0,c_str:dolo]]]]]]],object:[pathlist:
[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:praefectus,txt:praefectos,case:acc
,w:1,c_str:praefectos],arg:[cat:pred,type:finite,pathlist:[p(7,8),p(8,9),p(9,10)],distance:[0],gap:
[],class:m,number:_28396,person:_28408,gender:_28420,case:_28432,mood:subjunctive,tense:pluperfect,w:8,subordinator:qu
od,argbound:yes,c_str:[quod,[illocutionary_force:statement,vg:[selected_reading:desero_abandon,polarity:pos,cat:vg,pathlist:
[p(9,10)],hp:
[p(9,10)],gender:_28630,w:0,pos:v,class:tr_cod,type:finite,lex:deserere,voice:act,txt:deseruissent,tense:pluperfect,kind:std,moo
d:subjunctive,number:pl,person:3],subject:
[source:context_retrievable,number:pl,gender:_28822,person:3,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:-1],object:[pathlist:[p(8,9)],hp:[p(8,9)],index:i(p(8,9)),distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:castellum,txt:castella,case:ac
c,w:1,c_str:castella]]],adverbial_adjunct:[cat:advp,pathlist:[p(5,6)],distance:
[0],type:vpbound,lex:ultro,sem:manner_means,w:1,c_str:[head:ultro]]]

illocutionary_force:statement

vg

selected_reading:incuso_accuse

polarity:pos

cat:vg

* incusauit *

pos:v

lex:incusare

voice:act

tense:perfect

mood:indicative

number:sing

person:3

subject

number:sing

gender:masc

* ciuilis * * dolo * * grassandum * * ratus *

index:i(p(0,1))

cat:np

sem:[male]

person:3

lex:ciuilis

case:nom

c_str

head

* ciuilis *

index:i(p(0,1))

cat:np

sem:[male]

lex:ciuilis

```

number:sing
person:3
gender:masc
case:nom
c_str
ciuilis
participle_clause
  * dolo * * grassandum * * ratus *
cat:ppclause
number:sing
gender:masc
lex:reor_think_it_appropriate_to
case:nom
c_str
  deponent_p_p
  reor_think_it_appropriate_to
  object
    cat:pred
    mood:gerund
    local_case:acc
    number:sing
    person:3
    gender:neuter
    * dolo * * grassandum *
    c_str
      vg
        selected_reading:grassor_attack
        pos:v
        lex:grassari
        mood:gerund
        person:3
        case:acc
      adjunct
        * dolo *
        value:manner_means
        c_str
          dolo
object
  * praefectos *
index:i(p(6,7))
cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:praefectus
case:acc
c_str
  praefectos
arg
  cat:pred
  * quod * * castella * * deseruissent *
  mood:subjunctive
  tense:pluperfect
  subordinator
  quod
  c_str
    quod
    illocutionary_force:statement
    vg
      selected_reading:desero_abandon
      polarity:pos
      cat:vg
      * deseruissent *

```


pos:v
lex:deserere
voice:act
tense:pluperfect
mood:subjunctive
number:pl
person:3
subject
source:context_retrievable
number:pl
person:3
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
* castella *
index:i(p(8,9))
cat:np
sem:[thing,loc]
number:pl
person:3
gender:neuter
lex:castellum
case:acc
c_str
castella
adverbial_adjunct
cat:advp
* ultro *
lex:ultro
sem:manner_means
c_str
head
ultro

Quoniam famosae urbis supremum diem tradituri sumus congruens videtur primordia eius aperire.

[0/quoniam,1/famosae,2/urbis,3/supremum,4/diem,5/tradituri,6/sumus,7/congruens,8/uidetur,9/primordia,10/eius,11/a
perire,endpos(12)]
cputime : 27.015624999999773

19.0--->

```

[clause_semantics:_14790,subordinator:
[lex:quoniam,pos:sub,argbound:no,mood:indicative,value:reason],subordinate_clause:[quoniam,
[illocutionary_force:statement,vg:[selected_reading:trado_report,polarity:pos,cat:vg,type:finite,pathlist:[p(5,6),p(6,7)],hp:
[p(5,6)],lex:tradere,person:1,mood:indicative,tense:periphrastic_future,voice:active,number:pl,gender:masc,w:10],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(4,5)],index:i([p(4,5)]),distance:
[2],sem:
[time,thing,abstract],number:sing,person:3,cat:np,lex:dies,lextype:full,gender:or([masc,fem]),type:full,case:acc,class:common,
w:1.5,c_str:[head:[pathlist:[p(3,4),p(4,5)],hp:[p(4,5)],index:i(p(4,5))],distance:[0],cat:np,class:common,sem:
[time,thing,abstract],number:sing,person:3,gender:or([masc,fem]),type:core,lex:dies,lextype:full,case:acc,w:2,c_str:[head:
[pathlist:[p(4,5)],pos:noun,txt:diem,lex:dies,case:acc,gender:or([masc,fem]),class:common,ab:time,number:sing,sem:
[time,thing,abstract]],adjp:[cat:adjp,pathlist:[p(3,4)],distance:[0],hp:
[p(3,4)],case:acc,number:sing,gender:masc,lex:supremus,type:std,w:1,c_str:supremus]]],noun_cplt:[pathlist:[p(1,2),p(2,3)],hp:
[p(2,3)],index:i(p(2,3))],distance:[0],cat:np,class:common,sem:
[hum,thing,loc],number:sing,person:3,gender:fem,type:core,lex:urbs,lextype:full,case:gen,w:2,c_str:[head:[pathlist:
[p(2,3)],pos:noun,txt:urbis,lex:urbs,case:gen,gender:fem,class:common,ab:loc,number:sing,sem:[hum,thing,loc]],adjp:
[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:gen,number:sing,gender:fem,lex:famosus,type:std,w:1,c_str:famosus]]]]],main_clause:
[illocutionary_force:statement,vg:[selected_reading:uideor_seem,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_16892,w:0,pos:v,class:intr,type:finite,lex:uideri,voice:act,txt:uidetur,tense:present,kind:dep,mood:indicative,n
umber:sing,person:3],subject:
[number:sing,gender:neuter,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(9,10),p(10,11),p(11,12)],distance:
[0],person:3,case:or([nom,acc]),sem:_17250,polarity:pos,gap:_17274,w:2.5,flagint:no,c_str:[vg:
[selected_reading:aperio_explain,polarity:pos,cat:vg,pathlist:[p(11,12)],hp:
[p(11,12)],gender:_17418,w:0,pos:v,class:tr_cod,type:nonfinite,lex:aperire,voice:act,txt:aperire,tense:present,kind:std,mood:inf
initive,number:_17550,person:_17562],object:[pathlist:[p(9,10),p(10,11)],hp:[p(9,10)],index:i([p(9,10)]),distance:[0],sem:
[abstract],number:pl,person:3,cat:np,lex:primordia,lextype:full,gender:neuter,type:full,case:acc,class:common,w:1.5,c_str:
[head:[pathlist:[p(9,10)],hp:[p(9,10)],index:i(p(9,10))],distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:primordia,txt:primordia,case:
acc,w:1,c_str:primordia],noun_cplt:[pathlist:[p(10,11)],hp:[p(10,11)],index:i(p(10,11))],distance:
[0],cat:np,sem:_18204,class:proper,lex:prpersgen3gsing,number:sing,person:3,gender:or([masc,fem,neuter]),type:core,case:ge
n,w:1,c_str:prpersgen3gsing]]],predicative:[cat:adjp,pathlist:[p(7,8)],distance:[0],hp:
[p(7,8)],case:nom,number:sing,gender:neuter,lex:congruens,type:std,w:1,c_str:congruens]]]

```

```

subordinator
  lex:quoniam
  pos:sub
  mood:indicative
  value:reason
subordinate_clause
  quoniam
    illocutionary_force:statement
    vg
      selected_reading:trado_report
      polarity:pos
      cat:vg
      * tradituri * * sumus *
      lex:tradere
      person:1
      mood:indicative
      tense:periphrastic_future
      voice:active
      number:pl

```

```

    gender:masc
subject
    source:context_retrievable
    number:pl
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
object
    * famosae * * urbis * * supremum * * diem *
    index:i([p(4,5)])
    sem:[time,thing,abstract]
    number:sing
    person:3
    cat:np
    lex:dies
    gender:or([masc,fem])
    case:acc
    c_str
        head
            * supremum * * diem *
            index:i(p(4,5))
            cat:np
            sem:[time,thing,abstract]
            number:sing
            person:3
            gender:or([masc,fem])
            lex:dies
            case:acc
        c_str
            head
                * diem *
                pos:noun
                lex:dies
                case:acc
                gender:or([masc,fem])
                number:sing
                sem:[time,thing,abstract]
            adjp
                cat:adjp
                * supremum *
                case:acc
                number:sing
                gender:masc
                lex:supremus
                c_str
                    supremus
    noun_cplt
        * famosae * * urbis *
        index:i(p(2,3))
        cat:np
        sem:[hum,thing,loc]
        number:sing
        person:3
        gender:fem
        lex:urbs
        case:gen
        c_str
            head
                * urbis *
                pos:noun
                lex:urbs

```

```

        case:gen
        gender:fem
        number:sing
        sem:[hum,thing,loc]
    adjp
        cat:adjp
        * famosae *
        case:gen
        number:sing
        gender:fem
        lex:famosus
        c_str
        famosus
main_clause
    illocutionary_force:statement
    vg
        selected_reading:uideor_seem
        polarity:pos
        cat:vg
        * uidetur *
        pos:v
        lex:uideri
        voice:act
        tense:present
        mood:indicative
        number:sing
        person:3
    subject
        number:sing
        gender:neuter
        cat:pred
        mood:infinitive
        tense:present
        * primordia * * eius * * aperire *
        person:3
        case:or([nom,acc])
        polarity:pos
        c_str
        vg
            selected_reading:aperio_explain
            polarity:pos
            cat:vg
            * aperire *
            pos:v
            lex:aperire
            voice:act
            tense:present
            mood:infinitive
        object
            * primordia * * eius *
            index:i([p(9,10)])
            sem:[abstract]
            number:pl
            person:3
            cat:np
            lex:primordia
            gender:neuter
            case:acc
            c_str
            head
                * primordia *
                index:i(p(9,10))
                cat:np
                sem:[abstract]

```

number:pl
person:3
gender:neuter
lex:primordia
case:acc
c_str
primordia
noun_cplt
* eius *
index:i(p(10,11))
cat:np
lex:prpersgen3gsing
number:sing
person:3
gender:or([masc,fem,neuter])
case:gen
c_str
prpersgen3gsing
predicative
cat:adjp
* congruens *
case:nom
number:sing
gender:neuter
lex:congruens
c_str
congruens

Comment : parse OK

Fuerunt qui accensum desiderio reginae vertisse iter crederent.

[0/fuerunt,1/qui,2/accensum,3/desiderio,4/reginae,5/uertisse,6/iter,7/crederent,endpos(8)]
cputime : 141.21875000000045

19.5--->

```

illocutionary_force:existential,vg:
[pos:v,class:v_esse,type:finite,lex:esse,voice:act,txt:fuerunt,tense:perfect,kind:std,mood:indicative,number:pl,
person:3],pathlist:
[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:[0],gap:[gap:[type:np,index:dummy_np,function:subject,subject:
[e:dummy_np],constraints:[number:pl,gender:masc,person:3,case:nom,index:dummy_np,sem:
[hum]]],index:dummy_np,number:pl,gender:masc,case:nom,person:3,reltype:restrictive,type:finite,mood:subjunctive,tense:imperfect,constraints:[number:pl,gender:masc,person:3,case:nom,index:dummy_np,sem:[hum]],w:9.5,c_str:
illocutionary_force:statement,vg:[selected_reading:credo_believe_that,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_17030,w:0,pos:v,class:tr_inf,type:finite,lex:credere,voice:act,txt:crederent,tense:imperfect,kind:std,mood:subjunctive,number:pl,person:3],subject:[index:dummy_np],object:
[cat:pred,type:nonfinite,mood:infinitive,tense:past,class:m,pathlist:[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],distance:
[0],number:sing,gender:neuter,case:or([nom,acc]),person:3,polarity:pos,argbound:no,gap:_17430,w:7.5,flagint:no,c_str:[vg:
[selected_reading:uerto_turn,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:masc,w:0,pos:v,class:tr_cod,type:nonfinite,lex:uertere,voice:act,txt:uertere,tense:past,kind:std,mood:infinitive,
number:sing,person:_17718],subject:[number:sing,gender:masc,pathlist:[p(2,3),p(3,4),p(4,5)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,class:pc2np,sem:
[hum],person:_17902,type:clausal,lex:accendo_inflame,lextype:full,case:acc,w:1.5,c_str:[past_participle,accendo_inflame,
[agent:[pathlist:[p(3,4),p(4,5)],hp:[p(3,4)],index:i([p(3,4)]),distance:[0],sem:
[abstract],number:sing,person:3,cat:np,lex:desiderium,lextype:full,gender:neuter,type:full,case:abl,class:common,w:1.5,c_str:
[head:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:desiderium,txt:desiderio,case:abl,w:1,c_str:desiderio],noun_cpl:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:regina,txt:reginae,case:gen,w:1,c_str:reginae]]]],object:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7)),distance:[0],cat:np,sem:
[abstract,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:iter,txt:iter,case:acc,w:1,c_str:iter]]]]]

```

illocutionary_force:existential

vg

pos:v

lex:esse

voice:act

tense:perfect

mood:indicative

number:pl

person:3

* qui * accensum * desiderio * reginae * uertisse * iter * crederent *

index:dummy_np

number:pl

gender:masc

case:nom

person:3

reltype:restrictive

mood:subjunctive

tense:imperfect

c_str

illocutionary_force:statement

vg

selected_reading:credo_believe_that

polarity:pos

cat:vg

* crederent *

pos:v

lex:credere

voice:act

tense:imperfect
 mood:subjunctive
 number:pl
 person:3
 subject
 index:dummy_np
 object
 cat:pred
 mood:infinitive
 tense:past
 * accensum * * desiderio * * reginae * * uertisse * * iter *
 number:sing
 gender:neuter
 case:or([nom,acc])
 person:3
 polarity:pos
 c_str
 vg
 selected_reading:uerto_turn
 polarity:pos
 cat:vg
 * uertisse *
 gender:masc
 pos:v
 lex:uertere
 voice:act
 tense:past
 mood:infinitive
 number:sing
 subject
 number:sing
 gender:masc
 * accensum * * desiderio * * reginae *
 index:i(p(2,3))
 cat:np
 sem:[hum]
 lex:accendo_inflame
 case:acc
 c_str
 past_participle
 accendo_inflame
 agent
 * desiderio * * reginae *
 index:i([p(3,4)])
 sem:[abstract]
 number:sing
 person:3
 cat:np
 lex:desiderium
 gender:neuter
 case:abl
 c_str
 head
 * desiderio *
 index:i(p(3,4))
 cat:np
 sem:[abstract]
 number:sing
 person:3
 gender:neuter
 lex:desiderium
 case:abl
 c_str
 desiderio

```
noun_cplt
  * reginae *
  index:i(p(4,5))
  cat:np
  sem:[hum]
  number:sing
  person:3
  gender:fem
  lex:regina
  case:gen
  c_str
  reginae
object
  * iter *
  index:i(p(6,7))
  cat:np
  sem:[abstract,loc]
  number:sing
  person:3
  gender:neuter
  lex:iter
  case:acc
  c_str
  iter
```

Comment : parse OK

manibus gesturum Classicus sperat.

/uestris,5/se,6/manibus,7/gesturum,8/clas

_reading: spero _hope _that, polarity: pos, ca
 _cod, type: finite, lex: sperare, voice: act, txt: sp
 r: sing, gender: masc, pathlist: [p(8,9)], hp: [p(8,
 ill, person: 3, type: core, case: nom, w: 1, c_str: cl
 ense: future, class: m, pathlist:
 (6,7), p(7,8)], distance:
 m, acc), person: 3, polarity: pos, argbound: no
 r_IDIOM, polarity: pos, cat: vg, type: nonfinit
 nitive, tense: future, voice: active, number: si
], hp: [p(5,6)], index: i(p(8,9)), distance: [0], cat:
 o, person: 3, type: core, case: acc, w: 1, c_str: pp2
 sem:
 oun, number: sing, person: 3, gender: neuter, ty
 (6,7)], distance: [0], class: adjunct, value: manne
 x: manus, case: abl, gender: fem, class: common
 x: uester, type: poss, w: 1, c_str: uester]], prep_f
 0], index: i(p(2,3)), case: abl, prep: cum, sem:
 _str: [prep: cum, head: [pathlist: [p(2,3), p(3,4)],
 er: sing, person: 3, gender: masc, type: core, lex:
 do, lex: populus, case: abl, gender: masc, class: co
 nce: [0], hp:
 t, lex: romanus, type: std, w: 1, c_str: romanus]]

```

* bellum * * cum * * populo * * romano * * uestris * * se * * manibus * * gesturum *
number:sing
gender:neuter
case:or([nom,acc])
person:3
polarity:pos
c_str
  vg
    selected_reading:bellum_gero_make_war_IDIOM
    polarity:pos
    cat:vg
    * gesturum *
    lex:gerere
    mood:infinitive
    tense:future
    voice:active
    number:sing
    gender:masc
  subject
    number:sing
    gender:masc
    * se *
    index:i(p(8,9))
    cat:np
    sem:[hum]
    lex:pp3refl
    emphasis:no
    person:3
    case:acc
    c_str
      pp3refl
  object
    * bellum *
    index:i(p(0,1))
    cat:np
    sem:[thing]
    number:sing
    person:3
    gender:neuter
    lex:bellum
    case:acc
    c_str
      bellum
  adjunct
    * uestris * * manibus *
    value:manner_means
    c_str
      head
        * manibus *
        pos:noun
        lex:manus
        case:abl
        gender:fem
        number:pl
        sem:[thing]
      adjp
        cat:adjp
        * uestris *
        case:abl
        number:pl
        gender:fem
        lex:uester
        c_str
          uester

```

```

prep_phrase_adjunct_1
  * cum * * populo * * romano *
  index:i(p(2,3))
  case:abl
  prep:cum
  sem:[hum]
  lex:populus
  cat:pp
  c_str
    prep:cum
    head
      * populo * * romano *
      index:i(p(2,3))
      cat:np
      sem:[hum]
      number:sing
      person:3
      gender:masc
      lex:populus
      case:abl
      c_str
        head
          * populo *
          pos:noun
          lex:populus
          case:abl
          gender:masc
          number:sing
          sem:[hum]
        adjp
          cat:adjp
          * romano *
          case:abl
          number:sing
          gender:masc
          lex:romanus
          c_str
            romanus

```

Comment : parse OK

Parse A

```
subordinator
  lex:cum
  pos:sub
  mood:subjunctive
subordinate_clause
  cum
    illocutionary_force:statement
    vg
      selected_reading:loquor_speak
      polarity:pos
```

```

    cat:vg
    * loquaris *
    pos:v
    lex:loqui
    voice:act
    tense:present
    mood:subjunctive
    number:sing
    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
  prep_cplt
    * de * * antiquis *
    index:i(p(2,3))
    case:abl
    prep:de
    sem:[hum]
    lex:antiquus
    cat:pp
  c_str
    prep:de
    head
      * antiquis *
      index:i(p(2,3))
      cat:np
      sem:[hum]
      number:pl
      person:3
      gender:masc
      lex:antiquus
      case:abl
      c_str
        antiquis
main_clause
  subordinator
    lex:magis_quam
    pos:sub
    mood:indicative
    value:comparison
  subordinate_clause
    magis_quam
    illocutionary_force:statement
    vg
      selected_reading:degenero_degenerate
      polarity:pos
      cat:vg
      * degenerauimus *
      pos:v
      lex:degenerare
      voice:act
      tense:perfect
      mood:indicative
      number:pl
      person:1
    subject
      source:context_retrievable
      number:pl

```

```

    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
prep_cplt
    * ab * * eloquentia *
    index:i(p(14,15))
    case:abl
    prep:ab
    sem:[quality]
    lex:eloquentia
    cat:pp
    c_str
        prep:ab
        head
            * eloquentia *
            index:i(p(14,15))
            cat:np
            sem:[quality]
            number:sing
            person:3
            gender:fem
            lex:eloquentia
            case:abl
            c_str
                eloquentia
main_clause
    illocutionary_force:statement
    vg
        selected_reading:utor_use
        polarity:pos
        cat:vg
        * utere *
        pos:v
        lex:uti
        voice:act
        tense:present
        mood:imperative
        number:sing
        person:2
    subject
        source:context_retrievable
        number:sing
        gender:or([masc,fem])
        person:2
        cat:np
        index:i(0,0)
        case:nom
    object_i
        * antiqua * * libertate * * a * * qua * * uel * * degenerauimus *
        cat:np
        index:i(p(6,7))
        number:sing
        gender:fem
        sem:[quality]
        case:abl
        lex:libertas
        c_str
            head
                head
                    * libertate *
                    pos:noun

```

```

lex:libertas
case:abl
gender:fem
number:sing
sem:[quality]
adjp
  cat:adjp
  * antiqua *
  case:abl
  number:sing
  gender:fem
  lex:antiquus
  c_str
  antiquus
rel_clause
  * a * * qua * * uel * * degenerauimus *
  index:i(p(6,7))
  number:sing
  gender:fem
  person:3
  case:abl
  reltype:restrictive
  mood:indicative
  tense:perfect
  c_str
  illocutionary_force:statement
  vg
    selected_reading:degenero_degenerate
    polarity:pos
    cat:vg
    * degenerauimus *
    pos:v
    lex:degenerare
    voice:act
    tense:perfect
    mood:indicative
    number:pl
    person:1
  subject
    source:context_retrievable
    number:pl
    gender:or([masc,fem])
    person:1
    cat:np
    index:i(0,0)
    constraints_to_be_met:[sem:[hum]]
    case:nom
  prep_cplt
    e:i(p(6,7))
  adverbial_adjunct
    cat:advp
    * uel *
    lex:uel
    sem:eval
    c_str
    head
    uel

```

Comment : parse is not correct on account of the magis quam treatment (which starts with the wordlist building procedure)

10.5--->

subordinator
lex:cum
pos:sub
mood:subjunctive
subordinate_clause
cum
illocutionary_force:statement
vg
selected_reading:loquor_speak
polarity:pos
cat:vg
* loquaris *
pos:v
lex:loqui
voice:act
tense:present
mood:subjunctive
number:sing
person:2


```

subject
  source:context_retrievable
  number:sing
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
prep_cplt
  * de * * antiquis *
  index:i(p(2,3))
  case:abl
  prep:de
  sem:[hum]
  lex:antiquus
  cat:pp
  c_str
    prep:de
    head
      * antiquis *
      index:i(p(2,3))
      cat:np
      sem:[hum]
      number:pl
      person:3
      gender:fem
      lex:antiquus
      case:abl
      c_str
        antiquis
main_clause
  subordinator
    lex:magis_quam
    pos:sub
    mood:indicative
    value:comparison
  subordinate_clause
    magis_quam
      illocutionary_force:statement
      vg
        selected_reading:degenero_degenerate
        polarity:pos
        cat:vg
        * degenerauimus *
        pos:v
        lex:degenerare
        voice:act
        tense:perfect
        mood:indicative
        number:pl
        person:1
      subject
        source:context_retrievable
        number:pl
        gender:or([masc,fem])
        person:1
        cat:np
        index:i(0,0)
        constraints_to_be_met:[sem:[hum]]
        case:nom
      prep_cplt
        * ab * * eloquentia *
        index:i(p(14,15))

```

```

case:abl
prep:ab
sem:[quality]
lex:eloquentia
cat:pp
c_str
  prep:ab
  head
    * eloquentia *
    index:i(p(14,15))
    cat:np
    sem:[quality]
    number:sing
    person:3
    gender:fem
    lex:eloquentia
    case:abl
    c_str
      eloquentia
main_clause
  illocutionary_force:statement
  vg
    selected_reading:utor_use
    polarity:pos
    cat:vg
    * utere *
    pos:v
    lex:uti
    voice:act
    tense:present
    mood:imperative
    number:sing
    person:2
  subject
    source:context_retrievable
    number:sing
    gender:or([masc,fem])
    person:2
    cat:np
    index:i(0,0)
    case:nom
  object_i
    * antiqua * * libertate * * a * * qua * * uel * * degenerauimus *
    cat:np
    index:i(p(6,7))
    number:sing
    gender:fem
    sem:[quality]
    case:abl
    lex:libertas
    c_str
      head
        head
          * libertate *
          pos:noun
          lex:libertas
          case:abl
          gender:fem
          number:sing
          sem:[quality]
        adjp
          cat:adjp
          * antiqua *
          case:abl

```

```

    number:sing
    gender:fem
    lex:antiquus
    c_str
    antiquus
rel_clause
    * a * * qua * * uel * * degenerauimus *
    index:i(p(6,7))
    number:sing
    gender:fem
    person:3
    case:abl
    reltype:restrictive
    mood:indicative
    tense:perfect
    c_str
        illocutionary_force:statement
    vg
        selected_reading:degenero_degenerate
        polarity:pos
        cat:vg
        * degenerauimus *
        pos:v
        lex:degenerare
        voice:act
        tense:perfect
        mood:indicative
        number:pl
        person:1
    subject
        source:context_retrievable
        number:pl
        gender:or([masc,fem])
        person:1
        cat:np
        index:i(0,0)
        constraints_to_be_met:[sem:[hum]]
        case:nom
    prep_cplt
        e:i(p(6,7))
    adverbial_adjunct
        cat:advp
        * uel *
        lex:uel
        sem:eval
    c_str
        head
        uel

```

Comment : Parse B is incorrect for the same reason : awkward treatment of 'magis quam'

I ad illum quem magis amas quam patrem.

```
[0/i,1/ad,2/illum,3/quem,4/amas,5/magis_quam,6/amas,7/patrem,endpos(8)]
cputime : 2.890625
```

8--->

```
[clause_semantics:_9896,subordinator:
[lex:magis_quam,pos:sub,argbound:no,mood:indicative,value:comparison],subordinate_clause:[magis_quam,
[illocutionary_force:statement,vg:[selected_reading:amo_love,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_10112,w:0,pos:v,class:tr_cod,type:finite,lex:amare,voice:act,txt:amas,tense:present,kind:std,mood:indicative,number:sing,
person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(7,8)],hp:[p(7,8)],index:i(p(7,8)),distance:[0],cat:np,sem:
[hum]],class:common,lextype:full,origin:noun,number:sing,gender:masc,type:core,lex:pater,txt:patrem,case:acc,w:1,c_str:patrem]]],main_clause:[illocutionary_force:statement,vg:[selected_reading:eo_go,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_10852,w:0,pos:v,class:v_ire,type:finite,lex:ire,voice:act,txt:i,tense:present,kind:std,mood:imperative,number:sing,
person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],prep_cplt:[pathlist:[p(1,2),p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],distance:
[0],index:i(p(2,3)),case:acc,prep:ad,sem:_11358,lex:prdemaccmascsing,w:2,type:full,cat:pp,c_str:[prep:ad,head:[pathlist:
[p(2,3),p(3,4),p(4,5)],hp:[p(2,3)],distance:
[0],cat:np,type:full,class:common,lextype:full,index:i(p(2,3)),number:sing,gender:masc,sem:_11358,person:_11616,case:acc,lex:
prdemaccmascsing,w:2,c_str:[head:prdemaccmascsing,rel_clause:[pathlist:[p(3,4),p(4,5)],distance:[0],gap:[gap:
[type:np,index:i(p(2,3)),function:object,object:[ei(p(2,3))],constraints:
[case:acc]]],index:i(p(2,3)),number:sing,gender:masc,case:acc,person:3,reltype:restrictive,type:finite,mood:indicative,tense:pres
ent,constraints:[case:acc],w:1,c_str:[illocutionary_force:statement,vg:[selected_reading:amo_love,polarity:pos,cat:vg,pathlist:
[p(4,5)],hp:
[p(4,5)],gender:_12096,w:0,pos:v,class:tr_cod,type:finite,lex:amare,voice:act,txt:amas,tense:present,kind:std,mood:indicative,number:sing,
person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[ei(p(2,3))]]]]]]]]]
```

subordinator
lex:magis_quam
pos:sub
mood:indicative
value:comparison
subordinate_clause
magis_quam
illocutionary_force:statement
vg
selected_reading:amo_love
polarity:pos
cat:vg
* amas *
pos:v
lex:amare
voice:act
tense:present
mood:indicative
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)

```

        constraints_to_be_met:[sem:[hum]]
        case:nom
    object
        * patrem *
        index:i(p(7,8))
        cat:np
        sem:[hum]
        number:sing
        person:3
        gender:masc
        lex:pater
        case:acc
        c_str
        patrem
main_clause
    illocutionary_force:statement
    vg
        selected_reading:eo_go
        polarity:pos
        cat:vg
        * i *
        pos:v
        lex:ire
        voice:act
        tense:present
        mood:imperative
        number:sing
        person:2
    subject
        source:context_retrievable
        number:sing
        gender:or([masc,fem])
        person:2
        cat:np
        index:i(0,0)
        constraints_to_be_met:[sem:[hum]]
        case:nom
    prep_cplt
        * ad * * illum * * quem * * amas *
        index:i(p(2,3))
        case:acc
        prep:ad
        lex:prdemaccmascsing
        cat:pp
        c_str
        prep:ad
        head
            * illum * * quem * * amas *
            cat:np
            index:i(p(2,3))
            number:sing
            gender:masc
            case:acc
            lex:prdemaccmascsing
            c_str
            head
                prdemaccmascsing
            rel_clause
                * quem * * amas *
                index:i(p(2,3))
                number:sing
                gender:masc
                case:acc
                person:3

```

reltype:restrictive
mood:indicative
tense:present
c_str
 illocutionary_force:statement
 vg
 selected_reading:amo_love
 polarity:pos
 cat:vg
 * amas *
 pos:v
 lex:amare
 voice:act
 tense:present
 mood:indicative
 number:sing
 person:2
 subject
 source:context_retrievable
 number:sing
 gender:or([masc,fem])
 person:2
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
 object
 ei(p(2,3))

Comment : magis-quam analysis not optimal

ut amicitia societasque nostra in aeternum rata sint /

14--->

```

ut
illocutionary_force:statement
vg
  selected_reading:sum_be
  polarity:pos
  cat:vg
  * sint *
  pos:v
  lex:esse
  voice:act
  tense:present
  mood:subjunctive
  number:pl
  person:3
subject
  number:pl
  gender:fem
  * amicitia * * que * * societas * * nostra *
  index:i([p(1,2),p(3,4)])
  sem:[quality]
  lex:amicitia
  person:3
  case:nom
  coord:yes
  c_str
    head
      * amicitia *
      index:i(p(1,2))
      cat:np
      sem:[quality]
      number:sing

```

```

    person:3
    gender:fem
    lex:amicitia
    case:nom
    c_str
    amicitia
coord:que
head
    * societas * * nostra *
    index:i(p(3,4))
    cat:np
    sem:[quality]
    number:sing
    person:3
    gender:fem
    lex:societas
    case:nom
    c_str
    head
        * societas *
        pos:noun
        lex:societas
        case:nom
        gender:fem
        number:sing
        sem:[quality]
    adjp
        cat:adjp
        * nostra *
        case:nom
        number:sing
        gender:fem
        lex:noster
        c_str
        noster
predicative
    * in * * aeternum * * rata *
    index:i(p(7,8))
    cat:np
    sem:[abstract,thing]
    number:pl
    person:3
    gender:neuter
    lex:ratus
    case:nom
    c_str
    * rata *
    index:i(p(7,8))
    cat:np
    sem:[abstract,thing]
    number:pl
    person:3
    gender:neuter
    lex:ratus
    case:nom
    c_str
    rata
arg
    * in * * aeternum *
    index:i(p(6,7))
    case:acc
    prep:in
    sem:[abstract,time]
    lex:aeternum

```



```
cat:pp
c_str
  prep:in
  head
    * aeternum *
    index:i(p(6,7))
    cat:np
    sem:[abstract,time]
    number:sing
    person:3
    gender:neuter
    lex:aeternum
    case:acc
    c_str
    aeternum
```

Comment : not quite sure what best treatment of 'rata' should look like

% 121.

postulamus a uobis muros coloniae munimenta servitii detrahatis.

[0/postulamus,1/a,2/uobis,3/muros,4/coloniae,5/munimenta,6/seruitii,7/detrahatis,endpos(8)]
cputime : 5.671875

6.48--->

[illocutionary_force:statement,vg:[selected_reading:postulo_request,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_10374,w:0,pos:v,class:tr_cod,type:finite,lex:postulare,voice:act,txt:postulamus,tense:present,kind:std,mood:in
dicative,number:pl,person:1],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:1,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[cat:pred,type:finite,pathlist:[p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:
[0],illocutionary_force:statement,class:m,number:sing,person:3,vgperson:2,gender:neuter,mood:subjunctive,tense:present,pol
arity:pos,argbound:no,gap:[],w:3.5,add:no,flagint:_11008,c_str:[illocutionary_force:statement,vg:
[selected_reading:detraho_pull_down,polarity:pos,cat:vg,pathlist:[p(7,8)],hp:
[p(7,8)],gender:_11134,w:0,pos:v,class:tr_cod,type:finite,lex:detrahere,voice:act,txt:detrahatis,tense:present,kind:std,mood:sub
junctive,number:pl,person:2],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[],distance:
[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4),p(4,5),p(5,6),p(6,7)],hp:[p(3,4)],index:i([p(3,4)]),distance:
[0],cat:np,class:common,sem:[thing,loc],number:pl,person:3,gender:masc,type:core,lex:urus,lextype:full,case:acc,w:1.5,c_str:
[apposition_pair,head:[head:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4))],distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:urus,txt:muros,case:acc,w:1
,c_str:muros],noun_cplt:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5))],distance:[0],cat:np,sem:
[thing,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:colonia,txt:coloniae,case:gen
,w:1,c_str:coloniae]],apposition:[head:[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6))],distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:munimentum,txt:muni
menta,case:acc,w:1,c_str:munimenta],noun_cplt:[pathlist:[p(6,7)],hp:[p(6,7)],index:i(p(6,7))],distance:[0],cat:np,sem:
[abstract],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:seruitium,txt:seruitii,case:g
en,w:1,c_str:seruitii]]],prep_cplt:[pathlist:[p(1,2),p(2,3)],hp:[p(2,3)],distance:[0],index:i(p(2,3)),case:abl,prep:ab,sem:
[hum],lex:pp2pl,w:1,type:core,cat:pp,c_str:[prep:ab,head:[pathlist:[p(2,3)],hp:[p(2,3)],index:i(p(2,3))],distance:[0],cat:np,sem:
[hum],class:proper,lex:pp2pl,number:pl,person:2,gender:or([masc,fem]),type:core,case:abl,w:1,c_str:pp2pl]]]

illocutionary_force:statement
vg
 selected_reading:postulo_request
 polarity:pos
 cat:vg
 * postulamus *
 pos:v
 lex:postulare
 voice:act
 tense:present
 mood:indicative
 number:pl
 person:1
subject
 source:context_retrievable
 number:pl
 gender:or([masc,fem])
 person:1
 cat:np
 index:i(0,0)
 constraints_to_be_met:[sem:[hum]]
 case:nom
object
 cat:pred
 * muros * * coloniae * * munimenta * * seruitii * * detrahatis *
illocutionary_force:statement
 number:sing
 person:3
 vgperson:2

gender:neuter
 mood:subjunctive
 tense:present
 polarity:pos
 add:no
 c_str
 illocutionary_force:statement
 vg
 selected_reading:detraho_pull_down
 polarity:pos
 cat:vg
 * detrahatis *
 pos:v
 lex:detrahere
 voice:act
 tense:present
 mood:subjunctive
 number:pl
 person:2
 subject
 source:context_retrievable
 number:pl
 gender:or([masc,fem])
 person:2
 cat:np
 index:i(0,0)
 case:nom
 object
 * muros * * coloniae * * munimenta * * seruitii *
 index:i([p(3,4)])
 cat:np
 sem:[thing,loc]
 number:pl
 person:3
 gender:masc
 lex:murus
 case:acc
 c_str
 apposition_pair
 head
 head
 * muros *
 index:i(p(3,4))
 cat:np
 sem:[thing,loc]
 number:pl
 person:3
 gender:masc
 lex:murus
 case:acc
 c_str
 muros
 noun_cplt
 * coloniae *
 index:i(p(4,5))
 cat:np
 sem:[thing,loc]
 number:sing
 person:3
 gender:fem
 lex:colonia
 case:gen
 c_str
 coloniae

```

apposition
  head
    * munimenta *
    index:i(p(5,6))
    cat:np
    sem:[thing,abstract]
    number:pl
    person:3
    gender:neuter
    lex:munimentum
    case:acc
    c_str
    munimenta
  noun_cplt
    * seruitii *
    index:i(p(6,7))
    cat:np
    sem:[abstract]
    number:sing
    person:3
    gender:neuter
    lex:seruitium
    case:gen
    c_str
    seruitii
prep_cplt
  * a * * uobis *
  index:i(p(2,3))
  case:abl
  prep:ab
  sem:[hum]
  lex:pp2pl
  cat:pp
  c_str
  prep:ab
  head
    * uobis *
    index:i(p(2,3))
    cat:np
    sem:[hum]
    lex:pp2pl
    number:pl
    person:2
    gender:or([masc,fem])
    case:abl
    c_str
    pp2pl

```

Comment : parse OK

% 122.

etiam fera animalia si clausa teneas virtutis obliviscuntur.

[0/fera,1/animalia,2/si,3/clausa,4/teneas,5/uirutis,6/obliviscuntur,endpos(7)]
cputime : 0.90625

9--->

[clause_semantics:_12030,subordinator:[lex:si,pos:sub,argbound:no,mood:subjunctive],subordinate_clause:[si,
[illocutionary_force:statement,vg:[selected_reading:teneo_hold,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_12234,w:0,pos:v,class:tr_cod,type:finite,lex:tenere,voice:act,txt:teneas,tense:present,kind:std,mood:subjunctiv
e,number:sing,person:2],subject:
[source:context_retrievable,number:sing,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:
[0],cat:np,class:pc2np,sem:
[thing],number:pl,person:_12734,gender:neuter,type:clausal,lex:claudio_close,lextype:full,case:acc,w:0,c_str:
[past_participle,claudio_close,]]]],main_clause:[illocutionary_force:statement,vg:
[selected_reading:obliviscor_forget,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_12968,w:0,pos:v,class:tr_cod,type:finite,lex:oblivisci,voice:act,txt:obliviscuntur,tense:present,kind:dep,mood:i
ndicative,number:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(0,1),p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,class:common,sem:[thing,hum],person:3,type:core,lex:animal,lextype:full,case:nom,w:2,c_str:[head:[pathlist:
[p(1,2)],pos:noun,txt:animalia,lex:animal,case:nom,gender:neuter,class:common,ab:no,number:pl,sem:[thing,hum]],adjp:
[cat:adjp,pathlist:[p(0,1)],distance:[0],hp:[p(0,1)],case:nom,number:pl,gender:neuter,lex:ferus,type:std,w:1,c_str:ferus]]],object:
[pathlist:[p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:[0],cat:np,sem:
[quality,hum],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:uirutis,txt:uirutis,case:ge
n,w:1,c_str:uirutis]]]

subordinator
lex:si
pos:sub
mood:subjunctive
subordinate_clause
si
illocutionary_force:statement
vg
selected_reading:teneo_hold
polarity:pos
cat:vg
* teneas *
pos:v
lex:tenere
voice:act
tense:present
mood:subjunctive
number:sing
person:2
subject
source:context_retrievable
number:sing
gender:or([masc,fem])
person:2
cat:np
index:i(0,0)
constraints_to_be_met:[sem:[hum]]
case:nom
object
* clausa *
index:i(p(3,4))
cat:np
sem:[thing]
number:pl

```

    gender:neuter
    lex:claudio_close
    case:acc
    c_str
      past_participle
      claudio_close
main_clause
  illocutionary_force:statement
  vg
    selected_reading:obliuiscor_forget
    polarity:pos
    cat:vg
    * obliuiscuntur *
    pos:v
    lex:obliuisci
    voice:act
    tense:present
    mood:indicative
    number:pl
    person:3
  subject
    number:pl
    gender:neuter
    * fera * * animalia *
    index:i(p(1,2))
    cat:np
    sem:[thing,hum]
    person:3
    lex:animal
    case:nom
    c_str
      head
        * animalia *
        pos:noun
        lex:animal
        case:nom
        gender:neuter
        number:pl
        sem:[thing,hum]
      adjp
        cat:adjp
        * fera *
        case:nom
        number:pl
        gender:neuter
        lex:ferus
        c_str
          ferus
  object
    * uirtutis *
    index:i(p(5,6))
    cat:np
    sem:[quality,hum]
    number:sing
    person:3
    gender:fem
    lex:uirtus
    case:gen
    c_str
      uirtutis

```

Comment : parse does not reflect attachment of clausa to animalia

% 123.

Romanos omnis in finibus uestris trucidetis.

0/romanos,1/omnis,2/in,3/finibus,4/uestris,5/trucidetis,endpos(6)]
cputime : 0.46875

Parse A

4.970000000000001--->

```
[illocutionary_force:statement,vg:[selected_reading:trucido_kill,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_8024,w:0,pos:v,class:tr_cod,type:finite,lex:trucidare,voice:act,txt:trucidetis,tense:present,kind:std,mood:subju
nctive,number:pl,person:2],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,class:common,sem:[hum],number:pl,person:3,gender:masc,type:core,lex:romanus,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(0,1)],pos:noun,txt:romanos,lex:romanus,case:acc,gender:masc,class:common,ab:no,number:pl,sem:
[hum]],adjp:[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:pl,gender:or([masc,fem]),lex:omnis,type:tool,w:1,c_str:omnis]]],prep_phrase_adjunct_3:[pathlist:
[p(2,3),p(3,4),p(4,5)],hp:[p(3,4)],distance:[0],index:i(p(3,4)),case:abl,prep:in,sem:[thing,loc],lex:finis,w:2,type:core,cat:pp,c_str:
[prep:in,head:[pathlist:[p(3,4),p(4,5)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,class:common,sem:
[thing,loc],number:pl,person:3,gender:masc,type:core,lex:finis,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(3,4)],pos:noun,txt:finibus,lex:finis,case:abl,gender:masc,class:common,ab:no,number:pl,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:abl,number:pl,gender:masc,lex:uester,type:poss,w:1,c_str:uester]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:trucido_kill
  polarity:pos
  cat:vg
  * trucidetis *
  pos:v
  lex:trucidare
  voice:act
  tense:present
  mood:subjunctive
  number:pl
  person:2
subject
  source:context_retrievable
  number:pl
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * romanos * * omnis *
  index:i(p(0,1))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:romanus
  case:acc
  c_str
    head
      * romanos *
      pos:noun
      lex:romanus
      case:acc
```

```

    gender:masc
    number:pl
    sem:[hum]
  adjp
    cat:adjp
    * omnis *
    case:acc
    number:pl
    gender:or([masc,fem])
    lex:omnis
    c_str
    omnis
prep_phrase_adjunct_3
  * in * * finibus * * uestris *
  index:i(p(3,4))
  case:abl
  prep:in
  sem:[thing,loc]
  lex:finis
  cat:pp
  c_str
    prep:in
    head
      * finibus * * uestris *
      index:i(p(3,4))
      cat:np
      sem:[thing,loc]
      number:pl
      person:3
      gender:masc
      lex:finis
      case:abl
      c_str
        head
          * finibus *
          pos:noun
          lex:finis
          case:abl
          gender:masc
          number:pl
          sem:[thing,loc]
        adjp
          cat:adjp
          * uestris *
          case:abl
          number:pl
          gender:masc
          lex:uester
          c_str
          uester

```

Comment : parse OK, differs from B in lexeme associated with finibus : finis vs fines (an oversight in the vocabulary file, updated 15 December 2024)

Parse B

4.970000000000001--->

```
[illocutionary_force:statement,vg:[selected_reading:trucido_kill,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_9870,w:0,pos:v,class:tr_cod,type:finite,lex:trucidare,voice:act,txt:trucidetis,tense:present,kind:std,mood:subju
nctive,number:pl,person:2],subject:
[source:context_retrievable,number:pl,gender:or([masc,fem]),person:2,cat:np,index:i(0,0),constraints_to_be_met:[sem:
[hum]],distance:[0],pathlist:[],case:nom,w:0],object:[pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i(p(0,1)),distance:
[0],cat:np,class:common,sem:[hum],number:pl,person:3,gender:masc,type:core,lex:romanus,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(0,1)],pos:noun,txt:romanos,lex:romanus,case:acc,gender:masc,class:common,ab:no,number:pl,sem:
[hum]],adjp:[cat:adjp,pathlist:[p(1,2)],distance:[0],hp:
[p(1,2)],case:acc,number:pl,gender:or([masc,fem]),lex:omnis,type:tool,w:1,c_str:omnis]]],prep_phrase_adjunct_3:[pathlist:
[p(2,3),p(3,4),p(4,5)],hp:[p(3,4)],distance:[0],index:i(p(3,4)),case:abl,prep:in,sem:[thing,loc],lex:fines,w:2,type:core,cat:pp,c_str:
[prep:in,head:[pathlist:[p(3,4),p(4,5)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,class:common,sem:
[thing,loc],number:pl,person:3,gender:fem,type:core,lex:fines,lextype:full,case:abl,w:2,c_str:[head:[pathlist:
[p(3,4)],pos:noun,txt:finibus,lex:fines,case:abl,gender:fem,class:common,ab:no,number:pl,sem:[thing,loc]],adjp:
[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:[p(4,5)],case:abl,number:pl,gender:fem,lex:uester,type:poss,w:1,c_str:uester]]]]]]]
```

```
illocutionary_force:statement
vg
  selected_reading:trucido_kill
  polarity:pos
  cat:vg
  * trucidetis *
  pos:v
  lex:trucidare
  voice:act
  tense:present
  mood:subjunctive
  number:pl
  person:2
subject
  source:context_retrievable
  number:pl
  gender:or([masc,fem])
  person:2
  cat:np
  index:i(0,0)
  constraints_to_be_met:[sem:[hum]]
  case:nom
object
  * romanos * * omnis *
  index:i(p(0,1))
  cat:np
  sem:[hum]
  number:pl
  person:3
  gender:masc
  lex:romanus
  case:acc
  c_str
    head
      * romanos *
      pos:noun
      lex:romanus
      case:acc
      gender:masc
      number:pl
      sem:[hum]
    adjp
      cat:adjp
```

```

    * omnis *
    case:acc
    number:pl
    gender:or([masc,fem])
    lex:omnis
    c_str
    omnis
prep_phrase_adjunct_3
  * in ** finibus ** uestris *
  index:i(p(3,4))
  case:abl
  prep:in
  sem:[thing,loc]
  lex:fines
  cat:pp
  c_str
  prep:in
  head
    * finibus ** uestris *
    index:i(p(3,4))
    cat:np
    sem:[thing,loc]
    number:pl
    person:3
    gender:fem
    lex:fines
    case:abl
    c_str
    head
      * finibus *
      pos:noun
      lex:fines
      case:abl
      gender:fem
      number:pl
      sem:[thing,loc]
    adjp
      cat:adjp
      * uestris *
      case:abl
      number:pl
      gender:fem
      lex:ueter
      c_str
      ueter

```

% 124.

haud facile libertas et domini miscentur.

[0/haud,1/facile,2/libertas,3/et,4/domini,5/miscentur,endpos(6)]
cputime : 0.109375

1--->

```
[illocutionary_force:statement,vg:[selected_reading:v_v,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_9094,w:0,pos:v,class:tr_cod,type:finite,lex:miscere,voice:pass,txt:miscentur,tense:present,kind:std,mood:indic
ative,number:pl,person:3],subject:[number:pl,gender:masc,pathlist:[p(2,3),p(3,4),p(4,5)],hp:
[p(2,3)],index:i([p(2,3),p(4,5)]),distance:[1],sem:
[quality],class:common,lex:libertas,lextype:full,type:core,person:3,case:nom,w:2,coord:yes,c_str:[head:[pathlist:[p(2,3)],hp:
[p(2,3)],index:i(p(2,3)),distance:[0],cat:np,sem:
[quality],class:common,lextype:full,origin:noun,number:sing,person:3,gender:fem,type:core,lex:libertas,txt:libertas,case:nom,w
:1,c_str:libertas],coord:et,head:[pathlist:[p(4,5)],hp:[p(4,5)],index:i(p(4,5)),distance:[0],cat:np,sem:
[hum],class:common,lextype:full,origin:noun,number:pl,person:3,gender:masc,type:core,lex:dominus,txt:domini,case:nom,w:
1,c_str:domini]]],adverbial_adjunct:[cat:advp,pathlist:[p(0,2)],distance:[0],type:clausal,lex:haud_facile,sem:discourse,w:1,c_str:
[head:haud_facile]]]
```

```
illocutionary_force:statement
vg
  selected_reading:v_v
  polarity:pos
  cat:vg
  * miscentur *
  pos:v
  lex:miscere
  voice:pass
  tense:present
  mood:indicative
  number:pl
  person:3
subject
  number:pl
  gender:masc
  * libertas * * et * * domini *
  index:i([p(2,3),p(4,5)])
  sem:[quality]
  lex:libertas
  person:3
  case:nom
  coord:yes
  c_str
    head
      * libertas *
      index:i(p(2,3))
      cat:np
      sem:[quality]
      number:sing
      person:3
      gender:fem
      lex:libertas
      case:nom
      c_str
        libertas
      coord:et
    head
      * domini *
      index:i(p(4,5))
```

cat:np
sem:[hum]
number:pl
person:3
gender:masc
lex:dominus
case:nom
c_str
domini
adverbial_adjunct
cat:advp
* haud * facile *
lex:haud_facile
sem:discourse
c_str
head
haud_facile

Comment : parse OK

% 125.

bona interfectorum in medium cedant.

[0/bona,1/interfectorum,2/in,3/medium,4/cedant,endpos(5)]
cputime : 1.21875

Parse A

5.5--->

```
[illocutionary_force:statement,vg:[selected_reading:cedo_in_medium_be_shared,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_6936,w:0,pos:v,class:intr,type:finite,lex:cedere,voice:act,txt:cedant,tense:present,kind:std,mood:subjunctive,n
umber:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i([p(0,1)]),distance:[0],sem:
[thing,abstract],person:3,cat:np,lex:bonum,lextype:full,type:full,case:nom,class:common,w:1.5,c_str:[head:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1))],distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:bonum,txt:bona,case:n
om,w:1,c_str:bona],noun_cplt:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:pc2np,sem:
[hum],number:pl,person:_7782,gender:masc,type:clausal,lex:interficio_kill,lextype:full,case:gen,w:0,c_str:
[past_participle,interficio_kill,[]]],prep_cplt:[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],distance:
[0],index:i(p(3,4)),case:acc,prep:in,sem:[abstract,loc],lex:medium,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4))],distance:[0],cat:np,sem:
[abstract,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:medium,txt:medium,ca
se:acc,w:1,c_str:medium]]]]]
```

illocutionary_force:statement

vg

selected_reading:cedo_in_medium_be_shared

polarity:pos

cat:vg

* cedant *

pos:v

lex:cedere

voice:act

tense:present

mood:subjunctive

number:pl

person:3

subject

number:pl

gender:neuter

* bona * * interfectorum *

index:i([p(0,1)])

sem:[thing,abstract]

person:3

cat:np

lex:bonum

case:nom

c_str

head

* bona *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

number:pl

person:3

gender:neuter

lex:bonum

case:nom

c_str

bona

noun_cplt

```

      * interfectorum *
      index:i(p(1,2))
      cat:np
      sem:[hum]
      number:pl
      gender:masc
      lex:interficio_kill
      case:gen
      c_str
        past_participle
        interficio_kill
prep_cplt
  * in * * medium *
  index:i(p(3,4))
  case:acc
  prep:in
  sem:[abstract,loc]
  lex:medium
  cat:pp
  c_str
    prep:in
    head
      * medium *
      index:i(p(3,4))
      cat:np
      sem:[abstract,loc]
      number:sing
      person:3
      gender:neuter
      lex:medium
      case:acc
      c_str
        medium

```

Comment : Parse OK, to be preferred to Parse B on account of gender associated with 'interfectorum' : masc and not neuter

Parse B

5.5--->

```
[illocutionary_force:statement,vg:[selected_reading:cedo_in_medium_be_shared,polarity:pos,cat:vg,pathlist:[p(4,5)],hp:
[p(4,5)],gender:_8500,w:0,pos:v,class:intr,type:finite,lex:cedere,voice:act,txt:cedant,tense:present,kind:std,mood:subjunctive,n
umber:pl,person:3],subject:[number:pl,gender:neuter,pathlist:[p(0,1),p(1,2)],hp:[p(0,1)],index:i([p(0,1)]),distance:[0],sem:
[thing,abstract],person:3,cat:np,lex:bonum,lextype:full,type:full,case:nom,class:common,w:1.5,c_str:[head:[pathlist:[p(0,1)],hp:
[p(0,1)],index:i(p(0,1)),distance:[0],cat:np,sem:
[thing,abstract],class:common,lextype:full,origin:noun,number:pl,person:3,gender:neuter,type:core,lex:bonum,txt:bona,case:n
om,w:1,c_str:bona],noun_cplt:[pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:[0],cat:np,class:pc2np,sem:
[thing],number:pl,person:_9346,gender:neuter,type:clausal,lex:interficio_kill,lextype:full,case:gen,w:0,c_str:
[past_participle,interficio_kill,[]]]],prep_cplt:[pathlist:[p(2,3),p(3,4)],hp:[p(3,4)],distance:
[0],index:i(p(3,4)),case:acc,prep:in,sem:[abstract,loc],lex:medium,w:1,type:core,cat:pp,c_str:[prep:in,head:[pathlist:[p(3,4)],hp:
[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract,loc],class:common,lextype:full,origin:noun,number:sing,person:3,gender:neuter,type:core,lex:medium,txt:medium,ca
se:acc,w:1,c_str:medium]]]]]
```

illocutionary_force:statement

vg

selected_reading:cedo_in_medium_be_shared

polarity:pos

cat:vg

* cedant *

pos:v

lex:cedere

voice:act

tense:present

mood:subjunctive

number:pl

person:3

subject

number:pl

gender:neuter

* bona * * interfectorum *

index:i([p(0,1)])

sem:[thing,abstract]

person:3

cat:np

lex:bonum

case:nom

c_str

head

* bona *

index:i(p(0,1))

cat:np

sem:[thing,abstract]

number:pl

person:3

gender:neuter

lex:bonum

case:nom

c_str

bona

noun_cplt

* interfectorum *

index:i(p(1,2))

cat:np

sem:[thing]

number:pl

gender:neuter

lex:interficio_kill

case:gen

c_str

```
      past_participle
      interficio_kill
prep_cplt
  * in * * medium *
  index:i(p(3,4))
  case:acc
  prep:in
  sem:[abstract,loc]
  lex:medium
  cat:pp
  c_str
    prep:in
    head
      * medium *
      index:i(p(3,4))
      cat:np
      sem:[abstract,loc]
      number:sing
      person:3
      gender:neuter
      lex:medium
      case:acc
      c_str
        medium
```



```

illocutionary_force:question
vg
  selected_reading:possum_be_able_to
  polarity:pos
  cat:vg
  * possit *
  pos:v
  lex:posse
  voice:act
  tense:present
  mood:subjunctive
  number:sing
  person:3
subject
  number:sing
  gender:or([masc,fem])
  * quis *
  index:i(p(1,2))
  cat:np
  sem:[hum]
  lex:quis
  person:3
  case:nom
  c_str
  quis
object
  cat:pred
  mood:infinitive
  * oculere * * quicquam * * aut * * segregare * * causam * * suam *
  case:or([nom,acc])
  c_str
  head

```

```

vg
  selected_reading:occulo_conceal
  polarity:pos
  cat:vg
  * occulere *
  pos:v
  lex:occulere
  voice:act
  tense:present
  mood:infinitive
object
  * quicquam *
  index:i(p(3,4))
  cat:np
  sem:[abstract,thing]
  lex:quisquam
  number:sing
  person:3
  gender:neuter
  case:acc
  c_str
  quisquam
coord:aut
head
  vg
    selected_reading:segrego_separate
    polarity:pos
    cat:vg
    * segregare *
    pos:v
    lex:segregarere
    voice:act
    tense:present
    mood:infinitive
  object
    * causam * * suam *
    index:i(p(6,7))
    cat:np
    sem:[thing,abstract]
    number:sing
    person:3
    gender:fem
    lex:causa
    case:acc
    c_str
    head
      * causam *
      pos:noun
      lex:causa
      case:acc
      gender:fem
      number:sing
      sem:[thing,abstract]
    adjp
      cat:adjp
      * suam *
      case:acc
      number:sing
      gender:fem
      lex:suus
      c_str
      suus

```

Comment : Parse B to be preferred on account of value assigned to illocutionary_force feature : statement

Parse B

13--->

```
[ne,[illocutionary_force:statement,vg:[selected_reading:possum_be_able_to,polarity:pos,cat:vg,pathlist:[p(8,9)],hp:
[p(8,9)],gender:_13350,w:0,pos:v,class:tr_inf_no_subj,type:finite,lex:posse,voice:act,txt:possit,tense:present,kind:std,mood:su
bjunctive,number:sing,person:3],subject:[number:sing,gender:masc,pathlist:[p(1,2)],hp:[p(1,2)],index:i(p(1,2)),distance:
[0],cat:np,sem:[hum],class:indef,lex:quis,person:3,type:core,case:nom,w:1,c_str:quis],object:
[cat:pred,type:nonfinite_i,mood:infinitive,tense:_13792,class:m,pathlist:[p(2,3),p(3,4),p(4,5),p(5,6),p(6,7),p(7,8)],distance:
[0],number:_13918,gender:_13930,person:_13942,case:or([nom,acc]),gap:[],w:5,c_str:[head:[vg:
[selected_reading:occulo_conceal,polarity:pos,cat:vg,pathlist:[p(2,3)],hp:
[p(2,3)],gender:_14120,w:0,pos:v,class:tr_cod,type:nonfinite,lex:occulere,voice:act,txt:occulere,tense:present,kind:std,mood:in
finitive,number:_14252,person:_14264],object:[pathlist:[p(3,4)],hp:[p(3,4)],index:i(p(3,4)),distance:[0],cat:np,sem:
[abstract,thing],class:indef,lex:quisquam,number:sing,person:3,gender:neuter,type:core,case:acc,w:1,c_str:quisquam]],coord:au
t,head:[vg:[selected_reading:segrego_separate,polarity:pos,cat:vg,pathlist:[p(5,6)],hp:
[p(5,6)],gender:_14628,w:0,pos:v,class:tr_cod,type:nonfinite,lex:segregare,voice:act,txt:segregare,tense:present,kind:std,mood:
infinitive,number:_14760,person:_14772],object:[pathlist:[p(6,7),p(7,8)],hp:[p(6,7)],index:i(p(6,7)),distance:
[0],cat:np,class:common,sem:
[thing,abstract],number:sing,person:3,gender:fem,type:core,lex:causa,lextype:full,case:acc,w:2,c_str:[head:[pathlist:
[p(6,7)],pos:noun,txt:causam,lex:causa,case:acc,gender:fem,class:common,ab:no,number:sing,sem:[thing,abstract]],adjp:
[cat:adjp,pathlist:[p(7,8)],distance:[0],hp:[p(7,8)],case:acc,number:sing,gender:fem,lex:suus,type:poss,w:1,c_str:suus]]]]]]]]]
```

ne

illocutionary_force:statement

vg

selected_reading:possum_be_able_to

polarity:pos

cat:vg

* possit *

pos:v

lex:posse

voice:act

tense:present

mood:subjunctive

number:sing

person:3

subject

number:sing

gender:masc

* quis *

index:i(p(1,2))

cat:np

sem:[hum]

lex:quis

person:3

case:nom

c_str

quis

object

cat:pred

mood:infinitive

* occulere * * quicquam * * aut * * segregare * * causam * * suam *

case:or([nom,acc])

c_str

head

vg

selected_reading:occulo_conceal

polarity:pos

cat:vg

* occulere *

pos:v

lex:occulere

voice:act

tense:present

mood:infinitive

object
 * quicquam *
 index:i(p(3,4))
 cat:np
 sem:[abstract,thing]
 lex:quisquam
 number:sing
 person:3
 gender:neuter
 case:acc
 c_str
 quisquam
coord:aut
head
 vg
 selected_reading:segrego_separate
 polarity:pos
 cat:vg
 * segregare *
 pos:v
 lex:segregare
 voice:act
 tense:present
 mood:infinitive
 object
 * causam * * suam *
 index:i(p(6,7))
 cat:np
 sem:[thing,abstract]
 number:sing
 person:3
 gender:fem
 lex:causa
 case:acc
 c_str
 head
 * causam *
 pos:noun
 lex:causa
 case:acc
 gender:fem
 number:sing
 sem:[thing,abstract]
 adjp
 cat:adjp
 * suam *
 case:acc
 number:sing
 gender:fem
 lex:suus
 c_str
 suus

% 127.

liceat nobis vobisque utramque ripam colere.

[0/liceat,1/nobis,2/que,3/uobis,4/utramque,5/ripam,6/colere,endpos(7)]
cputime : 0.171875

5--->

[illocutionary_force:statement,vg:[selected_reading:licet_permission_is_given_to,polarity:pos,cat:vg,pathlist:[p(0,1)],hp:
[p(0,1)],gender:_10848,w:0,pos:v,class:vimp,type:finite,lex:licet,voice:act,txt:liceat,tense:present,kind:std,mood:subjunctive,nu
mber:_10980,person:_10992],subject:
[number:_10980,gender:_11028,cat:pred,type:nonfinite_i,mood:infinitive,tense:present,class:m,pathlist:
[p(1,2),p(2,3),p(3,4),p(4,5),p(5,6),p(6,7)],distance:
[0],person:_10992,case:or([nom,acc]),sem:_11242,polarity:pos,gap:_11266,w:5,flagint:no,c_str:[vg:
[selected_reading:colo_inhabit,polarity:pos,cat:vg,pathlist:[p(6,7)],hp:
[p(6,7)],gender:_11404,w:0,pos:v,class:tr_cod,type:nonfinite,lex:colere,voice:act,txt:colere,tense:present,kind:std,mood:infiniti
ve,number:_11536,person:_11548],object:[pathlist:[p(4,5),p(5,6)],hp:[p(5,6)],index:i(p(5,6)),distance:
[0],cat:np,class:common,sem:[thing,loc],number:sing,person:3,gender:fem,type:core,lex:ripa,lextype:full,case:acc,w:2,c_str:
[head:[pathlist:[p(5,6)],pos:noun,txt:ripam,lex:ripa,case:acc,gender:fem,class:common,ab:no,number:sing,sem:
[thing,loc]],adjp:[cat:adjp,pathlist:[p(4,5)],distance:[0],hp:
[p(4,5)],case:acc,number:sing,gender:fem,lex:uterque,type:tool,w:1,c_str:uterque]]],dative_of_interest:[pathlist:
[p(1,2),p(2,3),p(3,4)],hp:[p(1,2)],index:i([p(1,2)]),distance:[0],sem:
[hum],class:proper,lex:pp1pl,lextype:full,type:core,number:pl,person:1,gender:or([masc,fem]),case:dat,w:1,coord:yes,c_str:
[head:pp1pl,coord:que,head:pp2pl]]]]]

illocutionary_force:statement
vg
selected_reading:licet_permission_is_given_to
polarity:pos
cat:vg
* liceat *
pos:v
lex:licet
voice:act
tense:present
mood:subjunctive
subject
cat:pred
mood:infinitive
tense:present
* nobis * * que * * uobis * * utramque * * ripam * * colere *
case:or([nom,acc])
polarity:pos
c_str
vg
selected_reading:colo_inhabit
polarity:pos
cat:vg
* colere *
pos:v
lex:colere
voice:act
tense:present
mood:infinitive
object
* utramque * * ripam *
index:i(p(5,6))
cat:np
sem:[thing,loc]
number:sing
person:3
gender:fem

```

lex:ripa
case:acc
c_str
  head
    * ripam *
    pos:noun
    lex:ripa
    case:acc
    gender:fem
    number:sing
    sem:[thing,loc]
  adjp
    cat:adjp
    * utramque *
    case:acc
    number:sing
    gender:fem
    lex:uterque
    c_str
      uterque
dative_of_interest
  * nobis * * que * * uobis *
  index:i([p(1,2)])
  sem:[hum]
  lex:pp1pl
  number:pl
  person:1
  gender:or([masc,fem])
  case:dat
  coord:yes
  c_str
    head
    pp1pl
    coord:que
    head
    pp2pl

```

Comment : parse OK

[0/stop,endpos(1)] % end-of-file signal

TOTAL TIME : 2316.9062500000005

127 (in fact, 128, because of 27bis) sentences

roughly 18 sec per sentence

To provide a comfortable working environment, cpu time should be reduced to a tenth of what it is at present : in the order of 2 sec per sentence, three to four minutes for the entire test file. Looking forward to a big jump forward in computing power.

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